

December 16, 2020

Derek Ingram
XDD, LLC
11171 Forest Haven Road
Festus, MO 63028
TEL: (314) 609-3065
FAX:



Illinois	100226
Kansas	E-10374
Louisiana	05002
Louisiana	05003
Oklahoma	9978

RE: Ameren Huster Road GW

WorkOrder: 20120719

Dear Derek Ingram:

TEKLAB, INC received 5 samples on 12/10/2020 1:15:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column. Unless otherwise documented within this report, Teklab Inc. analyzes samples utilizing the most current methods in compliance with 40CFR. All tests are performed in the Collinsville, IL laboratory unless otherwise noted in the Case Narrative.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,



Elizabeth A. Hurley
Project Manager
(618)344-1004 ex 33
ehurley@teklabinc.com

Client: XDD, LLC

Work Order: 20120719

Client Project: Ameren Huster Road GW

Report Date: 16-Dec-20

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Client: XDD, LLC

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Abbr Definition

* Analytes on report marked with an asterisk are not NELAP accredited

CCV Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.

CRQL A Client Requested Quantitation Limit is a reporting limit that varies according to customer request. The CRQL may not be less than the MDL.

DF Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilution factors.

DNI Did not ignite

DUP Laboratory duplicate is a replicate aliquot prepared under the same laboratory conditions and independently analyzed to obtain a measure of precision.

ICV Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.

IDPH IL Dept. of Public Health

LCS Laboratory control sample is a sample matrix, free from the analytes of interest,spiked with verified known amounts of analytes and analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system.

LCSD Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).

MBLK Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses.

MDL "The method detection limit is defined as the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results."

MS Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).

MSD Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).

MW Molecular weight

NC Data is not acceptable for compliance purposes

ND Not Detected at the Reporting Limit

NELAP NELAP Accredited

PQL Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions.

RL The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.

RPD Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).

SPK The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.

Surr Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.

TIC Tentatively identified compound: Analytes tentatively identified in the sample by using a library search. Only results not in the calibration standard will be reported as tentatively identified compounds. Results for tentatively identified compounds that are not present in the calibration standard, but are assigned a specific chemical name based upon the library search, are calculated using total peak areas from reconstructed ion chromatograms and a response factor of one. The nearest Internal Standard is used for the calculation. The results of any TICs must be considered estimated, and are flagged with a "T". If the estimated result is above the calibration range it is flagged "ET"

TNTC Too numerous to count (> 200 CFU)

Definitions

<http://www.teklabinc.com/>

Client: XDD, LLC

Work Order: 20120719

Client Project: Ameren Huster Road GW

Report Date: 16-Dec-20

Qualifiers

- | | |
|---|--|
| # - Unknown hydrocarbon | B - Analyte detected in associated Method Blank |
| C - RL shown is a Client Requested Quantitation Limit | E - Value above quantitation range |
| H - Holding times exceeded | I - Associated internal standard was outside method criteria |
| J - Analyte detected below quantitation limits | M - Manual Integration used to determine area response |
| ND - Not Detected at the Reporting Limit | R - RPD outside accepted recovery limits |
| S - Spike Recovery outside recovery limits | T - TIC(Tentatively identified compound) |
| X - Value exceeds Maximum Contaminant Level | |



Case Narrative

<http://www.teklabinc.com/>

Client: XDD, LLC

Work Order: 20120719

Client Project: Ameren Huster Road GW

Report Date: 16-Dec-20

Cooler Receipt Temp: 5.8 °C

Locations

Collinsville	
Address	5445 Horseshoe Lake Road Collinsville, IL 62234-7425
Phone	(618) 344-1004
Fax	(618) 344-1005
Email	jhriley@teklabinc.com

Collinsville Air	
Address	5445 Horseshoe Lake Road Collinsville, IL 62234-7425
Phone	(618) 344-1004
Fax	(618) 344-1005
Email	EHurley@teklabinc.com

Springfield	
Address	3920 Pintail Dr Springfield, IL 62711-9415
Phone	(217) 698-1004
Fax	(217) 698-1005
Email	KKlostermann@teklabinc.com

Chicago	
Address	1319 Butterfield Rd. Downers Grove, IL 60515
Phone	(630) 324-6855
Fax	
Email	arenner@teklabinc.com

Kansas City	
Address	8421 Nieman Road Lenexa, KS 66214
Phone	(913) 541-1998
Fax	(913) 541-1998
Email	jhriley@teklabinc.com

Accreditations

<http://www.teklabinc.com/>

Client: XDD, LLC

Work Order: 20120719

Client Project: Ameren Huster Road GW

Report Date: 16-Dec-20

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2021	Collinsville
Kansas	KDHE	E-10374	NELAP	4/30/2021	Collinsville
Louisiana	LDEQ	05002	NELAP	6/30/2021	Collinsville
Louisiana	LDEQ	05003	NELAP	6/30/2021	Collinsville
Oklahoma	ODEQ	9978	NELAP	8/31/2021	Collinsville
Arkansas	ADEQ	88-0966		3/14/2021	Collinsville
Illinois	IDPH	17584		5/31/2021	Collinsville
Kentucky	UST	0073		1/31/2021	Collinsville
Missouri	MDNR	00930		5/31/2021	Collinsville
Missouri	MDNR	930		1/31/2022	Collinsville

Laboratory Results

<http://www.teklabinc.com/>

Client: XDD, LLC

Work Order: 20120719

Client Project: Ameren Huster Road GW

Report Date: 16-Dec-20

Lab ID: 20120719-001

Client Sample ID: PZ-1

Matrix: GROUNDWATER

Collection Date: 12/09/2020 11:40

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
1,1,1,2-Tetrachloroethane	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 2:59	172016
1,1,1-Trichloroethane	NELAP	0.3	2.0		ND	µg/L	1	12/12/2020 2:59	172016
1,1,2,2-Tetrachloroethane	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 2:59	172016
1,1,2-Trichloro-1,2,2-trifluoroethane	*	0.4	5.0		ND	µg/L	1	12/12/2020 2:59	172016
1,1,2-Trichloroethane	NELAP	0.1	0.5		ND	µg/L	1	12/12/2020 2:59	172016
1,1-Dichloro-2-propanone	*	2.7	30.0		ND	µg/L	1	12/12/2020 2:59	172016
1,1-Dichloroethane	NELAP	0.4	2.0		ND	µg/L	1	12/12/2020 2:59	172016
1,1-Dichloroethene	NELAP	0.4	2.0		ND	µg/L	1	12/12/2020 2:59	172016
1,1-Dichloropropene	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 2:59	172016
1,2,3-Trichlorobenzene	NELAP	0.2	2.0		ND	µg/L	1	12/12/2020 2:59	172016
1,2,3-Trichloropropane	NELAP	0.2	2.0		ND	µg/L	1	12/12/2020 2:59	172016
1,2,3-Trimethylbenzene	*	0.1	2.0		ND	µg/L	1	12/12/2020 2:59	172016
1,2,4-Trichlorobenzene	NELAP	0.2	2.0		ND	µg/L	1	12/12/2020 2:59	172016
1,2,4-Trimethylbenzene	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 2:59	172016
1,2-Dibromo-3-chloropropane	NELAP	0.3	2.0		ND	µg/L	1	12/12/2020 2:59	172016
1,2-Dibromoethane	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 2:59	172016
1,2-Dichlorobenzene	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 2:59	172016
1,2-Dichloroethane	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 2:59	172016
1,2-Dichloropropane	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 2:59	172016
1,3,5-Trimethylbenzene	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 2:59	172016
1,3-Dichlorobenzene	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 2:59	172016
1,3-Dichloropropane	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 2:59	172016
1,4-Dichlorobenzene	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 2:59	172016
1-Chlorobutane	NELAP	0.1	5.0		ND	µg/L	1	12/12/2020 2:59	172016
2,2-Dichloropropane	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 2:59	172016
2-Butanone	NELAP	1.1	10.0		ND	µg/L	1	12/12/2020 2:59	172016
2-Chloroethyl vinyl ether	NELAP	0.4	5.0		ND	µg/L	1	12/12/2020 2:59	172016
2-Chlorotoluene	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 2:59	172016
2-Hexanone	NELAP	0.4	10.0		ND	µg/L	1	12/12/2020 2:59	172016
2-Nitropropane	NELAP	1.1	10.0		ND	µg/L	1	12/12/2020 2:59	172016
4-Chlorotoluene	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 2:59	172016
4-Methyl-2-pentanone	NELAP	0.4	10.0	J	2.9	µg/L	1	12/12/2020 2:59	172016
Acetone	NELAP	2.4	10	J	2.9	µg/L	1	12/12/2020 2:59	172016
Acetonitrile	NELAP	1.4	10.0		ND	µg/L	1	12/12/2020 2:59	172016
Acrolein	NELAP	4.4	20.0		ND	µg/L	1	12/12/2020 2:59	172016
Acrylonitrile	NELAP	0.2	5.0		ND	µg/L	1	12/12/2020 2:59	172016
Allyl chloride	NELAP	0.2	5.0		ND	µg/L	1	12/12/2020 2:59	172016
Benzene	NELAP	0.1	0.5		ND	µg/L	1	12/12/2020 2:59	172016
Bromobenzene	NELAP	0.2	2.0		ND	µg/L	1	12/12/2020 2:59	172016
Bromochloromethane	NELAP	0.2	2.0		ND	µg/L	1	12/12/2020 2:59	172016
Bromodichloromethane	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 2:59	172016
Bromoform	NELAP	0.8	2.0		ND	µg/L	1	12/12/2020 2:59	172016
Bromomethane	NELAP	1.0	5.0		ND	µg/L	1	12/12/2020 2:59	172016
Carbon disulfide	NELAP	0.7	2.0		ND	µg/L	1	12/12/2020 2:59	172016
Carbon tetrachloride	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 2:59	172016
Chlorobenzene	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 2:59	172016
Chloroethane	NELAP	0.2	2.0		ND	µg/L	1	12/12/2020 2:59	172016

Laboratory Results

<http://www.teklabinc.com/>

Client: XDD, LLC

Work Order: 20120719

Client Project: Ameren Huster Road GW

Report Date: 16-Dec-20

Lab ID: 20120719-001

Client Sample ID: PZ-1

Matrix: GROUNDWATER

Collection Date: 12/09/2020 11:40

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Chloroform	NELAP	0.2	2.0		ND	µg/L	1	12/12/2020 2:59	172016
Chloromethane	NELAP	0.2	5.0		ND	µg/L	1	12/12/2020 2:59	172016
Chloroprene	NELAP	0.1	5.0		ND	µg/L	1	12/12/2020 2:59	172016
cis-1,2-Dichloroethene	NELAP	0.2	2.0		ND	µg/L	1	12/14/2020 11:25	172061
cis-1,3-Dichloropropene	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 2:59	172016
cis-1,4-Dichloro-2-butene	NELAP	0.2	2.0		ND	µg/L	1	12/12/2020 2:59	172016
Cyclohexanone	*	16.0	20.0		ND	µg/L	1	12/12/2020 2:59	172016
Dibromochloromethane	NELAP	0.2	2.0		ND	µg/L	1	12/12/2020 2:59	172016
Dibromomethane	NELAP	0.2	2.0		ND	µg/L	1	12/12/2020 2:59	172016
Dichlorodifluoromethane	NELAP	0.2	2.0		ND	µg/L	1	12/12/2020 2:59	172016
Ethyl acetate	NELAP	2.6	10.0		ND	µg/L	1	12/12/2020 2:59	172016
Ethyl ether	NELAP	0.2	5.0		ND	µg/L	1	12/12/2020 2:59	172016
Ethyl methacrylate	NELAP	0.3	5.0		ND	µg/L	1	12/12/2020 2:59	172016
Ethylbenzene	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 2:59	172016
Hexachlorobutadiene	NELAP	0.3	5.0		ND	µg/L	1	12/12/2020 2:59	172016
Hexachloroethane	NELAP	0.1	5.0		ND	µg/L	1	12/12/2020 2:59	172016
Iodomethane	NELAP	2.6	5.0	J	2.9	µg/L	1	12/12/2020 2:59	172016
Isopropylbenzene	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 2:59	172016
m,p-Xylenes	NELAP	0.2	2.0		ND	µg/L	1	12/12/2020 2:59	172016
Methacrylonitrile	NELAP	0.5	5.0		ND	µg/L	1	12/12/2020 2:59	172016
Methyl Methacrylate	NELAP	0.2	5.0		ND	µg/L	1	12/12/2020 2:59	172016
Methyl tert-butyl ether	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 2:59	172016
Methylacrylate	NELAP	0.2	5.0		ND	µg/L	1	12/12/2020 2:59	172016
Methylene chloride	NELAP	0.9	2.0		ND	µg/L	1	12/12/2020 2:59	172016
Naphthalene	NELAP	0.3	5.0		ND	µg/L	1	12/12/2020 2:59	172016
n-Butyl acetate	*	0.3	2.0		ND	µg/L	1	12/12/2020 2:59	172016
n-Butylbenzene	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 2:59	172016
n-Heptane	*	0.2	5.0		ND	µg/L	1	12/12/2020 2:59	172016
n-Hexane	*	0.6	5.0		ND	µg/L	1	12/12/2020 2:59	172016
Nitrobenzene	NELAP	10.0	50.0		ND	µg/L	1	12/12/2020 2:59	172016
n-Propylbenzene	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 2:59	172016
o-Xylene	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 2:59	172016
Pentachloroethane	NELAP	0.4	5.0		ND	µg/L	1	12/12/2020 2:59	172016
p-Isopropyltoluene	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 2:59	172016
Propionitrile	NELAP	0.9	10.0		ND	µg/L	1	12/12/2020 2:59	172016
sec-Butylbenzene	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 2:59	172016
Styrene	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 2:59	172016
tert-Butylbenzene	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 2:59	172016
Tetrachloroethene	NELAP	0.1	0.5		ND	µg/L	1	12/12/2020 2:59	172016
Tetrahydrofuran	NELAP	0.8	5.0		ND	µg/L	1	12/12/2020 2:59	172016
Toluene	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 2:59	172016
trans-1,2-Dichloroethene	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 2:59	172016
trans-1,3-Dichloropropene	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 2:59	172016
trans-1,4-Dichloro-2-butene	NELAP	0.2	2.0		ND	µg/L	1	12/12/2020 2:59	172016
Trichloroethene	NELAP	0.2	2.0		ND	µg/L	1	12/12/2020 2:59	172016
Trichlorofluoromethane	NELAP	0.1	5.0		ND	µg/L	1	12/12/2020 2:59	172016
Vinyl acetate	NELAP	0.3	5.0		ND	µg/L	1	12/12/2020 2:59	172016



Laboratory Results

<http://www.teklabinc.com/>

Client: XDD, LLC

Work Order: 20120719

Client Project: Ameren Huster Road GW

Report Date: 16-Dec-20

Lab ID: 20120719-001

Client Sample ID: PZ-1

Matrix: GROUNDWATER

Collection Date: 12/09/2020 11:40

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Vinyl chloride	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 2:59	172016
Surr: 1,2-Dichloroethane-d4	*	0	80-120		103.6	%REC	1	12/12/2020 2:59	172016
Surr: 4-Bromofluorobenzene	*	0	80-120		103.9	%REC	1	12/12/2020 2:59	172016
Surr: Dibromofluoromethane	*	0	80-120		98.3	%REC	1	12/12/2020 2:59	172016
Surr: Toluene-d8	*	0	80-120		119.7	%REC	1	12/12/2020 2:59	172016

RPD for LCS/LCSD was outside of QC limits for Acrylonitrile, Ethyl acetate, Methylene chloride, n-Amyl acetate, Pentachloroethane & Vinyl acetate.

LCS recovered outside upper control limits for Acrolein & Tetrachloroethene. Sample results are below the reporting limit. Data is reportable per the TNI Standard.

Allowable Marginal Exceedance of Pentachloroethane & Vinyl acetate in the laboratory control sample is verified per the TNI Standard.

Laboratory Results

<http://www.teklabinc.com/>

Client: XDD, LLC

Work Order: 20120719

Client Project: Ameren Huster Road GW

Report Date: 16-Dec-20

Lab ID: 20120719-002

Client Sample ID: PZ-2

Matrix: GROUNDWATER

Collection Date: 12/09/2020 12:30

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
1,1,1,2-Tetrachloroethane	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 3:25	172016
1,1,1-Trichloroethane	NELAP	0.3	2.0		ND	µg/L	1	12/12/2020 3:25	172016
1,1,2,2-Tetrachloroethane	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 3:25	172016
1,1,2-Trichloro-1,2,2-trifluoroethane	*	0.4	5.0		ND	µg/L	1	12/12/2020 3:25	172016
1,1,2-Trichloroethane	NELAP	0.1	0.5		ND	µg/L	1	12/12/2020 3:25	172016
1,1-Dichloro-2-propanone	*	2.7	30.0		ND	µg/L	1	12/12/2020 3:25	172016
1,1-Dichloroethane	NELAP	0.4	2.0		ND	µg/L	1	12/12/2020 3:25	172016
1,1-Dichloroethene	NELAP	0.4	2.0		ND	µg/L	1	12/12/2020 3:25	172016
1,1-Dichloropropene	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 3:25	172016
1,2,3-Trichlorobenzene	NELAP	0.2	2.0		ND	µg/L	1	12/12/2020 3:25	172016
1,2,3-Trichloropropane	NELAP	0.2	2.0		ND	µg/L	1	12/12/2020 3:25	172016
1,2,3-Trimethylbenzene	*	0.1	2.0		ND	µg/L	1	12/12/2020 3:25	172016
1,2,4-Trichlorobenzene	NELAP	0.2	2.0		ND	µg/L	1	12/12/2020 3:25	172016
1,2,4-Trimethylbenzene	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 3:25	172016
1,2-Dibromo-3-chloropropane	NELAP	0.3	2.0		ND	µg/L	1	12/12/2020 3:25	172016
1,2-Dibromoethane	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 3:25	172016
1,2-Dichlorobenzene	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 3:25	172016
1,2-Dichloroethane	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 3:25	172016
1,2-Dichloropropane	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 3:25	172016
1,3,5-Trimethylbenzene	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 3:25	172016
1,3-Dichlorobenzene	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 3:25	172016
1,3-Dichloropropane	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 3:25	172016
1,4-Dichlorobenzene	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 3:25	172016
1-Chlorobutane	NELAP	0.1	5.0		ND	µg/L	1	12/12/2020 3:25	172016
2,2-Dichloropropane	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 3:25	172016
2-Butanone	NELAP	1.1	10.0		ND	µg/L	1	12/12/2020 3:25	172016
2-Chloroethyl vinyl ether	NELAP	0.4	5.0		ND	µg/L	1	12/12/2020 3:25	172016
2-Chlorotoluene	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 3:25	172016
2-Hexanone	NELAP	0.4	10.0		ND	µg/L	1	12/12/2020 3:25	172016
2-Nitropropane	NELAP	1.1	10.0		ND	µg/L	1	12/12/2020 3:25	172016
4-Chlorotoluene	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 3:25	172016
4-Methyl-2-pentanone	NELAP	0.4	10.0		ND	µg/L	1	12/12/2020 3:25	172016
Acetone	NELAP	2.4	10.0		ND	µg/L	1	12/12/2020 3:25	172016
Acetonitrile	NELAP	1.4	10.0		ND	µg/L	1	12/12/2020 3:25	172016
Acrolein	NELAP	4.4	20.0		ND	µg/L	1	12/12/2020 3:25	172016
Acrylonitrile	NELAP	0.2	5.0		ND	µg/L	1	12/12/2020 3:25	172016
Allyl chloride	NELAP	0.2	5.0		ND	µg/L	1	12/12/2020 3:25	172016
Benzene	NELAP	0.1	0.5		ND	µg/L	1	12/12/2020 3:25	172016
Bromobenzene	NELAP	0.2	2.0		ND	µg/L	1	12/12/2020 3:25	172016
Bromochloromethane	NELAP	0.2	2.0		ND	µg/L	1	12/12/2020 3:25	172016
Bromodichloromethane	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 3:25	172016
Bromoform	NELAP	0.8	2.0		ND	µg/L	1	12/12/2020 3:25	172016
Bromomethane	NELAP	1.0	5.0		ND	µg/L	1	12/12/2020 3:25	172016
Carbon disulfide	NELAP	0.7	2.0		ND	µg/L	1	12/12/2020 3:25	172016
Carbon tetrachloride	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 3:25	172016
Chlorobenzene	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 3:25	172016
Chloroethane	NELAP	0.2	2.0		ND	µg/L	1	12/12/2020 3:25	172016

Laboratory Results

<http://www.teklabinc.com/>

Client: XDD, LLC

Work Order: 20120719

Client Project: Ameren Huster Road GW

Report Date: 16-Dec-20

Lab ID: 20120719-002

Client Sample ID: PZ-2

Matrix: GROUNDWATER

Collection Date: 12/09/2020 12:30

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Chloroform	NELAP	0.2	2.0		ND	µg/L	1	12/12/2020 3:25	172016
Chloromethane	NELAP	0.2	5.0		ND	µg/L	1	12/12/2020 3:25	172016
Chloroprene	NELAP	0.1	5.0		ND	µg/L	1	12/12/2020 3:25	172016
cis-1,2-Dichloroethene	NELAP	0.2	2.0	J	0.5	µg/L	1	12/14/2020 11:52	172061
cis-1,3-Dichloropropene	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 3:25	172016
cis-1,4-Dichloro-2-butene	NELAP	0.2	2.0		ND	µg/L	1	12/12/2020 3:25	172016
Cyclohexanone	*	16.0	20.0		ND	µg/L	1	12/12/2020 3:25	172016
Dibromochloromethane	NELAP	0.2	2.0		ND	µg/L	1	12/12/2020 3:25	172016
Dibromomethane	NELAP	0.2	2.0		ND	µg/L	1	12/12/2020 3:25	172016
Dichlorodifluoromethane	NELAP	0.2	2.0		ND	µg/L	1	12/12/2020 3:25	172016
Ethyl acetate	NELAP	2.6	10.0		ND	µg/L	1	12/12/2020 3:25	172016
Ethyl ether	NELAP	0.2	5.0		ND	µg/L	1	12/12/2020 3:25	172016
Ethyl methacrylate	NELAP	0.3	5.0		ND	µg/L	1	12/12/2020 3:25	172016
Ethylbenzene	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 3:25	172016
Hexachlorobutadiene	NELAP	0.3	5.0		ND	µg/L	1	12/12/2020 3:25	172016
Hexachloroethane	NELAP	0.1	5.0		ND	µg/L	1	12/12/2020 3:25	172016
Iodomethane	NELAP	2.6	5.0		ND	µg/L	1	12/12/2020 3:25	172016
Isopropylbenzene	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 3:25	172016
m,p-Xylenes	NELAP	0.2	2.0		ND	µg/L	1	12/12/2020 3:25	172016
Methacrylonitrile	NELAP	0.5	5.0		ND	µg/L	1	12/12/2020 3:25	172016
Methyl Methacrylate	NELAP	0.2	5.0		ND	µg/L	1	12/12/2020 3:25	172016
Methyl tert-butyl ether	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 3:25	172016
Methylacrylate	NELAP	0.2	5.0		ND	µg/L	1	12/12/2020 3:25	172016
Methylene chloride	NELAP	0.9	2.0		ND	µg/L	1	12/12/2020 3:25	172016
Naphthalene	NELAP	0.3	5.0		ND	µg/L	1	12/12/2020 3:25	172016
n-Butyl acetate	*	0.3	2.0		ND	µg/L	1	12/12/2020 3:25	172016
n-Butylbenzene	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 3:25	172016
n-Heptane	*	0.2	5.0		ND	µg/L	1	12/12/2020 3:25	172016
n-Hexane	*	0.6	5.0		ND	µg/L	1	12/12/2020 3:25	172016
Nitrobenzene	NELAP	10.0	50.0		ND	µg/L	1	12/12/2020 3:25	172016
n-Propylbenzene	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 3:25	172016
o-Xylene	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 3:25	172016
Pentachloroethane	NELAP	0.4	5.0		ND	µg/L	1	12/12/2020 3:25	172016
p-Isopropyltoluene	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 3:25	172016
Propionitrile	NELAP	0.9	10.0		ND	µg/L	1	12/12/2020 3:25	172016
sec-Butylbenzene	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 3:25	172016
Styrene	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 3:25	172016
tert-Butylbenzene	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 3:25	172016
Tetrachloroethene	NELAP	0.1	0.5		ND	µg/L	1	12/12/2020 3:25	172016
Tetrahydrofuran	NELAP	0.8	5.0		ND	µg/L	1	12/12/2020 3:25	172016
Toluene	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 3:25	172016
trans-1,2-Dichloroethene	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 3:25	172016
trans-1,3-Dichloropropene	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 3:25	172016
trans-1,4-Dichloro-2-butene	NELAP	0.2	2.0		ND	µg/L	1	12/12/2020 3:25	172016
Trichloroethene	NELAP	0.2	2.0		ND	µg/L	1	12/12/2020 3:25	172016
Trichlorofluoromethane	NELAP	0.1	5.0		ND	µg/L	1	12/12/2020 3:25	172016
Vinyl acetate	NELAP	0.3	5.0		ND	µg/L	1	12/12/2020 3:25	172016



Laboratory Results

<http://www.teklabinc.com/>

Client: XDD, LLC

Work Order: 20120719

Client Project: Ameren Huster Road GW

Report Date: 16-Dec-20

Lab ID: 20120719-002

Client Sample ID: PZ-2

Matrix: GROUNDWATER

Collection Date: 12/09/2020 12:30

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Vinyl chloride	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 3:25	172016
Surr: 1,2-Dichloroethane-d4	*	0	80-120		104.5	%REC	1	12/12/2020 3:25	172016
Surr: 4-Bromofluorobenzene	*	0	80-120		104.4	%REC	1	12/12/2020 3:25	172016
Surr: Dibromofluoromethane	*	0	80-120		97.8	%REC	1	12/12/2020 3:25	172016
Surr: Toluene-d8	*	0	80-120		91.7	%REC	1	12/12/2020 3:25	172016

RPD for LCS/LCSD was outside of QC limits for Acrylonitrile, Ethyl acetate, Methylene chloride, n-Amyl acetate, Pentachloroethane & Vinyl acetate.

LCS recovered outside upper control limits for Acrolein & Tetrachloroethene. Sample results are below the reporting limit. Data is reportable per the TNI Standard.

Allowable Marginal Exceedance of Pentachloroethane & Vinyl acetate in the laboratory control sample is verified per the TNI Standard.

Laboratory Results

<http://www.teklabinc.com/>

Client: XDD, LLC

Work Order: 20120719

Client Project: Ameren Huster Road GW

Report Date: 16-Dec-20

Lab ID: 20120719-003

Client Sample ID: PZ-3

Matrix: GROUNDWATER

Collection Date: 12/09/2020 13:20

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
1,1,1,2-Tetrachloroethane	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 3:50	172016
1,1,1-Trichloroethane	NELAP	0.3	2.0		ND	µg/L	1	12/12/2020 3:50	172016
1,1,2,2-Tetrachloroethane	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 3:50	172016
1,1,2-Trichloro-1,2,2-trifluoroethane	*	0.4	5.0		ND	µg/L	1	12/12/2020 3:50	172016
1,1,2-Trichloroethane	NELAP	0.1	0.5		ND	µg/L	1	12/12/2020 3:50	172016
1,1-Dichloro-2-propanone	*	2.7	30.0		ND	µg/L	1	12/12/2020 3:50	172016
1,1-Dichloroethane	NELAP	0.4	2.0		ND	µg/L	1	12/12/2020 3:50	172016
1,1-Dichloroethene	NELAP	0.4	2.0		ND	µg/L	1	12/12/2020 3:50	172016
1,1-Dichloropropene	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 3:50	172016
1,2,3-Trichlorobenzene	NELAP	0.2	2.0		ND	µg/L	1	12/12/2020 3:50	172016
1,2,3-Trichloropropane	NELAP	0.2	2.0		ND	µg/L	1	12/12/2020 3:50	172016
1,2,3-Trimethylbenzene	*	0.1	2.0		ND	µg/L	1	12/12/2020 3:50	172016
1,2,4-Trichlorobenzene	NELAP	0.2	2.0		ND	µg/L	1	12/12/2020 3:50	172016
1,2,4-Trimethylbenzene	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 3:50	172016
1,2-Dibromo-3-chloropropane	NELAP	0.3	2.0		ND	µg/L	1	12/12/2020 3:50	172016
1,2-Dibromoethane	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 3:50	172016
1,2-Dichlorobenzene	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 3:50	172016
1,2-Dichloroethane	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 3:50	172016
1,2-Dichloropropane	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 3:50	172016
1,3,5-Trimethylbenzene	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 3:50	172016
1,3-Dichlorobenzene	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 3:50	172016
1,3-Dichloropropane	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 3:50	172016
1,4-Dichlorobenzene	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 3:50	172016
1-Chlorobutane	NELAP	0.1	5.0		ND	µg/L	1	12/12/2020 3:50	172016
2,2-Dichloropropane	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 3:50	172016
2-Butanone	NELAP	1.1	10.0		ND	µg/L	1	12/12/2020 3:50	172016
2-Chloroethyl vinyl ether	NELAP	0.4	5.0		ND	µg/L	1	12/12/2020 3:50	172016
2-Chlorotoluene	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 3:50	172016
2-Hexanone	NELAP	0.4	10.0		ND	µg/L	1	12/12/2020 3:50	172016
2-Nitropropane	NELAP	1.1	10.0		ND	µg/L	1	12/12/2020 3:50	172016
4-Chlorotoluene	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 3:50	172016
4-Methyl-2-pentanone	NELAP	0.4	10.0		ND	µg/L	1	12/12/2020 3:50	172016
Acetone	NELAP	2.4	10.0		ND	µg/L	1	12/12/2020 3:50	172016
Acetonitrile	NELAP	1.4	10.0		ND	µg/L	1	12/12/2020 3:50	172016
Acrolein	NELAP	4.4	20.0		ND	µg/L	1	12/12/2020 3:50	172016
Acrylonitrile	NELAP	0.2	5.0		ND	µg/L	1	12/12/2020 3:50	172016
Allyl chloride	NELAP	0.2	5.0		ND	µg/L	1	12/12/2020 3:50	172016
Benzene	NELAP	0.1	0.5		ND	µg/L	1	12/12/2020 3:50	172016
Bromobenzene	NELAP	0.2	2.0		ND	µg/L	1	12/12/2020 3:50	172016
Bromochloromethane	NELAP	0.2	2.0		ND	µg/L	1	12/12/2020 3:50	172016
Bromodichloromethane	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 3:50	172016
Bromoform	NELAP	0.8	2.0		ND	µg/L	1	12/12/2020 3:50	172016
Bromomethane	NELAP	1.0	5.0		ND	µg/L	1	12/12/2020 3:50	172016
Carbon disulfide	NELAP	0.7	2.0		ND	µg/L	1	12/12/2020 3:50	172016
Carbon tetrachloride	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 3:50	172016
Chlorobenzene	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 3:50	172016
Chloroethane	NELAP	0.2	2.0		ND	µg/L	1	12/12/2020 3:50	172016

Laboratory Results

<http://www.teklabinc.com/>

Client: XDD, LLC

Work Order: 20120719

Client Project: Ameren Huster Road GW

Report Date: 16-Dec-20

Lab ID: 20120719-003

Client Sample ID: PZ-3

Matrix: GROUNDWATER

Collection Date: 12/09/2020 13:20

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Chloroform	NELAP	0.2	2.0		ND	µg/L	1	12/12/2020 3:50	172016
Chloromethane	NELAP	0.2	5.0		ND	µg/L	1	12/12/2020 3:50	172016
Chloroprene	NELAP	0.1	5.0		ND	µg/L	1	12/12/2020 3:50	172016
cis-1,2-Dichloroethene	NELAP	0.2	2.0		4.5	µg/L	1	12/12/2020 3:50	172016
cis-1,3-Dichloropropene	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 3:50	172016
cis-1,4-Dichloro-2-butene	NELAP	0.2	2.0		ND	µg/L	1	12/12/2020 3:50	172016
Cyclohexanone	*	16.0	20.0		ND	µg/L	1	12/12/2020 3:50	172016
Dibromochloromethane	NELAP	0.2	2.0		ND	µg/L	1	12/12/2020 3:50	172016
Dibromomethane	NELAP	0.2	2.0		ND	µg/L	1	12/12/2020 3:50	172016
Dichlorodifluoromethane	NELAP	0.2	2.0		ND	µg/L	1	12/12/2020 3:50	172016
Ethyl acetate	NELAP	2.6	10.0		ND	µg/L	1	12/12/2020 3:50	172016
Ethyl ether	NELAP	0.2	5.0		ND	µg/L	1	12/12/2020 3:50	172016
Ethyl methacrylate	NELAP	0.3	5.0		ND	µg/L	1	12/12/2020 3:50	172016
Ethylbenzene	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 3:50	172016
Hexachlorobutadiene	NELAP	0.3	5.0		ND	µg/L	1	12/12/2020 3:50	172016
Hexachloroethane	NELAP	0.1	5.0		ND	µg/L	1	12/12/2020 3:50	172016
Iodomethane	NELAP	2.6	5.0		ND	µg/L	1	12/12/2020 3:50	172016
Isopropylbenzene	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 3:50	172016
m,p-Xylenes	NELAP	0.2	2.0		ND	µg/L	1	12/12/2020 3:50	172016
Methacrylonitrile	NELAP	0.5	5.0		ND	µg/L	1	12/12/2020 3:50	172016
Methyl Methacrylate	NELAP	0.2	5.0		ND	µg/L	1	12/12/2020 3:50	172016
Methyl tert-butyl ether	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 3:50	172016
Methylacrylate	NELAP	0.2	5.0		ND	µg/L	1	12/12/2020 3:50	172016
Methylene chloride	NELAP	0.9	2.0		ND	µg/L	1	12/12/2020 3:50	172016
Naphthalene	NELAP	0.3	5.0		ND	µg/L	1	12/12/2020 3:50	172016
n-Butyl acetate	*	0.3	2.0		ND	µg/L	1	12/12/2020 3:50	172016
n-Butylbenzene	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 3:50	172016
n-Heptane	*	0.2	5.0		ND	µg/L	1	12/12/2020 3:50	172016
n-Hexane	*	0.6	5.0		ND	µg/L	1	12/12/2020 3:50	172016
Nitrobenzene	NELAP	10.0	50.0		ND	µg/L	1	12/12/2020 3:50	172016
n-Propylbenzene	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 3:50	172016
o-Xylene	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 3:50	172016
Pentachloroethane	NELAP	0.4	5.0		ND	µg/L	1	12/12/2020 3:50	172016
p-Isopropyltoluene	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 3:50	172016
Propionitrile	NELAP	0.9	10.0		ND	µg/L	1	12/12/2020 3:50	172016
sec-Butylbenzene	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 3:50	172016
Styrene	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 3:50	172016
tert-Butylbenzene	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 3:50	172016
Tetrachloroethene	NELAP	0.1	0.5		ND	µg/L	1	12/12/2020 3:50	172016
Tetrahydrofuran	NELAP	0.8	5.0		ND	µg/L	1	12/12/2020 3:50	172016
Toluene	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 3:50	172016
trans-1,2-Dichloroethene	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 3:50	172016
trans-1,3-Dichloropropene	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 3:50	172016
trans-1,4-Dichloro-2-butene	NELAP	0.2	2.0		ND	µg/L	1	12/12/2020 3:50	172016
Trichloroethene	NELAP	0.2	2.0		ND	µg/L	1	12/12/2020 3:50	172016
Trichlorofluoromethane	NELAP	0.1	5.0		ND	µg/L	1	12/12/2020 3:50	172016
Vinyl acetate	NELAP	0.3	5.0		ND	µg/L	1	12/12/2020 3:50	172016



Laboratory Results

<http://www.teklabinc.com/>

Client: XDD, LLC

Work Order: 20120719

Client Project: Ameren Huster Road GW

Report Date: 16-Dec-20

Lab ID: 20120719-003

Client Sample ID: PZ-3

Matrix: GROUNDWATER

Collection Date: 12/09/2020 13:20

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Vinyl chloride	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 3:50	172016
Surr: 1,2-Dichloroethane-d4	*	0	80-120		105.2	%REC	1	12/12/2020 3:50	172016
Surr: 4-Bromofluorobenzene	*	0	80-120		101.5	%REC	1	12/12/2020 3:50	172016
Surr: Dibromofluoromethane	*	0	80-120		97.9	%REC	1	12/12/2020 3:50	172016
Surr: Toluene-d8	*	0	80-120		103.4	%REC	1	12/12/2020 3:50	172016

RPD for LCS/LCSD was outside of QC limits for Acrylonitrile, Ethyl acetate, Methylene chloride, n-Amyl acetate, Pentachloroethane & Vinyl acetate.

LCS recovered outside upper control limits for Acrolein & Tetrachloroethene. Sample results are below the reporting limit. Data is reportable per the TNI Standard.

Allowable Marginal Exceedance of Pentachloroethane & Vinyl acetate in the laboratory control sample is verified per the TNI Standard.

Laboratory Results

<http://www.teklabinc.com/>

Client: XDD, LLC

Work Order: 20120719

Client Project: Ameren Huster Road GW

Report Date: 16-Dec-20

Lab ID: 20120719-004

Client Sample ID: PZ-11

Matrix: GROUNDWATER

Collection Date: 12/09/2020 14:20

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
1,1,1,2-Tetrachloroethane	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 4:16	172016
1,1,1-Trichloroethane	NELAP	0.3	2.0		ND	µg/L	1	12/12/2020 4:16	172016
1,1,2,2-Tetrachloroethane	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 4:16	172016
1,1,2-Trichloro-1,2,2-trifluoroethane	*	0.4	5.0		ND	µg/L	1	12/12/2020 4:16	172016
1,1,2-Trichloroethane	NELAP	0.1	0.5		ND	µg/L	1	12/12/2020 4:16	172016
1,1-Dichloro-2-propanone	*	2.7	30.0		ND	µg/L	1	12/12/2020 4:16	172016
1,1-Dichloroethane	NELAP	0.4	2.0		ND	µg/L	1	12/12/2020 4:16	172016
1,1-Dichloroethene	NELAP	0.4	2.0		ND	µg/L	1	12/12/2020 4:16	172016
1,1-Dichloropropene	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 4:16	172016
1,2,3-Trichlorobenzene	NELAP	0.2	2.0		ND	µg/L	1	12/12/2020 4:16	172016
1,2,3-Trichloropropane	NELAP	0.2	2.0		ND	µg/L	1	12/12/2020 4:16	172016
1,2,3-Trimethylbenzene	*	0.1	2.0		ND	µg/L	1	12/12/2020 4:16	172016
1,2,4-Trichlorobenzene	NELAP	0.2	2.0		ND	µg/L	1	12/12/2020 4:16	172016
1,2,4-Trimethylbenzene	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 4:16	172016
1,2-Dibromo-3-chloropropane	NELAP	0.3	2.0		ND	µg/L	1	12/12/2020 4:16	172016
1,2-Dibromoethane	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 4:16	172016
1,2-Dichlorobenzene	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 4:16	172016
1,2-Dichloroethane	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 4:16	172016
1,2-Dichloropropane	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 4:16	172016
1,3,5-Trimethylbenzene	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 4:16	172016
1,3-Dichlorobenzene	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 4:16	172016
1,3-Dichloropropane	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 4:16	172016
1,4-Dichlorobenzene	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 4:16	172016
1-Chlorobutane	NELAP	0.1	5.0		ND	µg/L	1	12/12/2020 4:16	172016
2,2-Dichloropropane	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 4:16	172016
2-Butanone	NELAP	1.1	10.0		ND	µg/L	1	12/12/2020 4:16	172016
2-Chloroethyl vinyl ether	NELAP	0.4	5.0		ND	µg/L	1	12/12/2020 4:16	172016
2-Chlorotoluene	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 4:16	172016
2-Hexanone	NELAP	0.4	10.0		ND	µg/L	1	12/12/2020 4:16	172016
2-Nitropropane	NELAP	1.1	10.0		ND	µg/L	1	12/12/2020 4:16	172016
4-Chlorotoluene	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 4:16	172016
4-Methyl-2-pentanone	NELAP	0.4	10.0	J	3.5	µg/L	1	12/12/2020 4:16	172016
Acetone	NELAP	2.4	10	J	3.5	µg/L	1	12/12/2020 4:16	172016
Acetonitrile	NELAP	1.4	10.0		ND	µg/L	1	12/12/2020 4:16	172016
Acrolein	NELAP	4.4	20.0		ND	µg/L	1	12/12/2020 4:16	172016
Acrylonitrile	NELAP	0.2	5.0		ND	µg/L	1	12/12/2020 4:16	172016
Allyl chloride	NELAP	0.2	5.0		ND	µg/L	1	12/12/2020 4:16	172016
Benzene	NELAP	0.1	0.5		ND	µg/L	1	12/12/2020 4:16	172016
Bromobenzene	NELAP	0.2	2.0		ND	µg/L	1	12/12/2020 4:16	172016
Bromochloromethane	NELAP	0.2	2.0		ND	µg/L	1	12/12/2020 4:16	172016
Bromodichloromethane	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 4:16	172016
Bromoform	NELAP	0.8	2.0		ND	µg/L	1	12/12/2020 4:16	172016
Bromomethane	NELAP	1.0	5.0		ND	µg/L	1	12/12/2020 4:16	172016
Carbon disulfide	NELAP	0.7	2.0		ND	µg/L	1	12/12/2020 4:16	172016
Carbon tetrachloride	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 4:16	172016
Chlorobenzene	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 4:16	172016
Chloroethane	NELAP	0.2	2.0		ND	µg/L	1	12/12/2020 4:16	172016

Laboratory Results

<http://www.teklabinc.com/>

Client: XDD, LLC

Work Order: 20120719

Client Project: Ameren Huster Road GW

Report Date: 16-Dec-20

Lab ID: 20120719-004

Client Sample ID: PZ-11

Matrix: GROUNDWATER

Collection Date: 12/09/2020 14:20

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Chloroform	NELAP	0.2	2.0		ND	µg/L	1	12/12/2020 4:16	172016
Chloromethane	NELAP	0.2	5.0		ND	µg/L	1	12/12/2020 4:16	172016
Chloroprene	NELAP	0.1	5.0		ND	µg/L	1	12/12/2020 4:16	172016
cis-1,2-Dichloroethene	NELAP	0.2	2.0		4.8	µg/L	1	12/12/2020 4:16	172016
cis-1,3-Dichloropropene	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 4:16	172016
cis-1,4-Dichloro-2-butene	NELAP	0.2	2.0		ND	µg/L	1	12/12/2020 4:16	172016
Cyclohexanone	*	16.0	20.0		ND	µg/L	1	12/12/2020 4:16	172016
Dibromochloromethane	NELAP	0.2	2.0		ND	µg/L	1	12/12/2020 4:16	172016
Dibromomethane	NELAP	0.2	2.0		ND	µg/L	1	12/12/2020 4:16	172016
Dichlorodifluoromethane	NELAP	0.2	2.0		ND	µg/L	1	12/12/2020 4:16	172016
Ethyl acetate	NELAP	2.6	10.0		ND	µg/L	1	12/12/2020 4:16	172016
Ethyl ether	NELAP	0.2	5.0		ND	µg/L	1	12/12/2020 4:16	172016
Ethyl methacrylate	NELAP	0.3	5.0		ND	µg/L	1	12/12/2020 4:16	172016
Ethylbenzene	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 4:16	172016
Hexachlorobutadiene	NELAP	0.3	5.0		ND	µg/L	1	12/12/2020 4:16	172016
Hexachloroethane	NELAP	0.1	5.0		ND	µg/L	1	12/12/2020 4:16	172016
Iodomethane	NELAP	2.6	5.0		ND	µg/L	1	12/12/2020 4:16	172016
Isopropylbenzene	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 4:16	172016
m,p-Xylenes	NELAP	0.2	2.0		ND	µg/L	1	12/12/2020 4:16	172016
Methacrylonitrile	NELAP	0.5	5.0		ND	µg/L	1	12/12/2020 4:16	172016
Methyl Methacrylate	NELAP	0.2	5.0		ND	µg/L	1	12/12/2020 4:16	172016
Methyl tert-butyl ether	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 4:16	172016
Methylacrylate	NELAP	0.2	5.0		ND	µg/L	1	12/12/2020 4:16	172016
Methylene chloride	NELAP	0.9	2.0		ND	µg/L	1	12/12/2020 4:16	172016
Naphthalene	NELAP	0.3	5.0		ND	µg/L	1	12/12/2020 4:16	172016
n-Butyl acetate	*	0.3	2.0		ND	µg/L	1	12/12/2020 4:16	172016
n-Butylbenzene	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 4:16	172016
n-Heptane	*	0.2	5.0		ND	µg/L	1	12/12/2020 4:16	172016
n-Hexane	*	0.6	5.0		ND	µg/L	1	12/12/2020 4:16	172016
Nitrobenzene	NELAP	10.0	50.0		ND	µg/L	1	12/12/2020 4:16	172016
n-Propylbenzene	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 4:16	172016
o-Xylene	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 4:16	172016
Pentachloroethane	NELAP	0.4	5.0		ND	µg/L	1	12/12/2020 4:16	172016
p-Isopropyltoluene	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 4:16	172016
Propionitrile	NELAP	0.9	10.0		ND	µg/L	1	12/12/2020 4:16	172016
sec-Butylbenzene	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 4:16	172016
Styrene	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 4:16	172016
tert-Butylbenzene	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 4:16	172016
Tetrachloroethene	NELAP	0.1	0.5		ND	µg/L	1	12/12/2020 4:16	172016
Tetrahydrofuran	NELAP	0.8	5.0		ND	µg/L	1	12/12/2020 4:16	172016
Toluene	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 4:16	172016
trans-1,2-Dichloroethene	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 4:16	172016
trans-1,3-Dichloropropene	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 4:16	172016
trans-1,4-Dichloro-2-butene	NELAP	0.2	2.0		ND	µg/L	1	12/12/2020 4:16	172016
Trichloroethene	NELAP	0.2	2.0		ND	µg/L	1	12/12/2020 4:16	172016
Trichlorofluoromethane	NELAP	0.1	5.0		ND	µg/L	1	12/12/2020 4:16	172016
Vinyl acetate	NELAP	0.3	5.0		ND	µg/L	1	12/12/2020 4:16	172016



Laboratory Results

<http://www.teklabinc.com/>

Client: XDD, LLC

Work Order: 20120719

Client Project: Ameren Huster Road GW

Report Date: 16-Dec-20

Lab ID: 20120719-004

Client Sample ID: PZ-11

Matrix: GROUNDWATER

Collection Date: 12/09/2020 14:20

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Vinyl chloride	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 4:16	172016
Surr: 1,2-Dichloroethane-d4	*	0	80-120		104.5	%REC	1	12/12/2020 4:16	172016
Surr: 4-Bromofluorobenzene	*	0	80-120	S	121.1	%REC	1	12/12/2020 4:16	172016
Surr: Dibromofluoromethane	*	0	80-120		98.1	%REC	1	12/12/2020 4:16	172016
Surr: Toluene-d8	*	0	80-120		101.1	%REC	1	12/12/2020 4:16	172016

Surrogate recovery is outside control limits due to matrix interference.

RPD for LCS/LCSD was outside of QC limits for Acrylonitrile, Ethyl acetate, Methylene chloride, n-Amyl acetate, Pentachloroethane & Vinyl acetate.

LCS recovered outside upper control limits for Acrolein & Tetrachloroethene. Sample results are below the reporting limit. Data is reportable per the TNI Standard.

Allowable Marginal Exceedance of Pentachloroethane & Vinyl acetate in the laboratory control sample is verified per the TNI Standard.

Laboratory Results

<http://www.teklabinc.com/>

Client: XDD, LLC

Work Order: 20120719

Client Project: Ameren Huster Road GW

Report Date: 16-Dec-20

Lab ID: 20120719-005

Client Sample ID: PZ-12

Matrix: GROUNDWATER

Collection Date: 12/09/2020 15:10

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
1,1,1,2-Tetrachloroethane	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 4:41	172016
1,1,1-Trichloroethane	NELAP	0.3	2.0		ND	µg/L	1	12/12/2020 4:41	172016
1,1,2,2-Tetrachloroethane	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 4:41	172016
1,1,2-Trichloro-1,2,2-trifluoroethane	*	0.4	5.0		ND	µg/L	1	12/12/2020 4:41	172016
1,1,2-Trichloroethane	NELAP	0.1	0.5		ND	µg/L	1	12/12/2020 4:41	172016
1,1-Dichloro-2-propanone	*	2.7	30.0		ND	µg/L	1	12/12/2020 4:41	172016
1,1-Dichloroethane	NELAP	0.4	2.0		ND	µg/L	1	12/12/2020 4:41	172016
1,1-Dichloroethene	NELAP	0.4	2.0		ND	µg/L	1	12/12/2020 4:41	172016
1,1-Dichloropropene	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 4:41	172016
1,2,3-Trichlorobenzene	NELAP	0.2	2.0		ND	µg/L	1	12/12/2020 4:41	172016
1,2,3-Trichloropropane	NELAP	0.2	2.0		ND	µg/L	1	12/12/2020 4:41	172016
1,2,3-Trimethylbenzene	*	0.1	2.0		ND	µg/L	1	12/12/2020 4:41	172016
1,2,4-Trichlorobenzene	NELAP	0.2	2.0		ND	µg/L	1	12/12/2020 4:41	172016
1,2,4-Trimethylbenzene	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 4:41	172016
1,2-Dibromo-3-chloropropane	NELAP	0.3	2.0		ND	µg/L	1	12/12/2020 4:41	172016
1,2-Dibromoethane	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 4:41	172016
1,2-Dichlorobenzene	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 4:41	172016
1,2-Dichloroethane	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 4:41	172016
1,2-Dichloropropane	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 4:41	172016
1,3,5-Trimethylbenzene	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 4:41	172016
1,3-Dichlorobenzene	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 4:41	172016
1,3-Dichloropropane	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 4:41	172016
1,4-Dichlorobenzene	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 4:41	172016
1-Chlorobutane	NELAP	0.1	5.0		ND	µg/L	1	12/12/2020 4:41	172016
2,2-Dichloropropane	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 4:41	172016
2-Butanone	NELAP	1.1	10.0		ND	µg/L	1	12/12/2020 4:41	172016
2-Chloroethyl vinyl ether	NELAP	0.4	5.0		ND	µg/L	1	12/12/2020 4:41	172016
2-Chlorotoluene	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 4:41	172016
2-Hexanone	NELAP	0.4	10.0		ND	µg/L	1	12/12/2020 4:41	172016
2-Nitropropane	NELAP	1.1	10.0		ND	µg/L	1	12/12/2020 4:41	172016
4-Chlorotoluene	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 4:41	172016
4-Methyl-2-pentanone	NELAP	0.4	10.0		ND	µg/L	1	12/12/2020 4:41	172016
Acetone	NELAP	2.4	10.0		ND	µg/L	1	12/12/2020 4:41	172016
Acetonitrile	NELAP	1.4	10.0		ND	µg/L	1	12/12/2020 4:41	172016
Acrolein	NELAP	4.4	20.0		ND	µg/L	1	12/12/2020 4:41	172016
Acrylonitrile	NELAP	0.2	5.0		ND	µg/L	1	12/12/2020 4:41	172016
Allyl chloride	NELAP	0.2	5.0		ND	µg/L	1	12/12/2020 4:41	172016
Benzene	NELAP	0.1	0.5		ND	µg/L	1	12/12/2020 4:41	172016
Bromobenzene	NELAP	0.2	2.0		ND	µg/L	1	12/12/2020 4:41	172016
Bromochloromethane	NELAP	0.2	2.0		ND	µg/L	1	12/12/2020 4:41	172016
Bromodichloromethane	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 4:41	172016
Bromoform	NELAP	0.8	2.0		ND	µg/L	1	12/12/2020 4:41	172016
Bromomethane	NELAP	1.0	5.0		ND	µg/L	1	12/12/2020 4:41	172016
Carbon disulfide	NELAP	0.7	2.0		ND	µg/L	1	12/12/2020 4:41	172016
Carbon tetrachloride	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 4:41	172016
Chlorobenzene	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 4:41	172016
Chloroethane	NELAP	0.2	2.0		ND	µg/L	1	12/12/2020 4:41	172016

Laboratory Results

<http://www.teklabinc.com/>

Client: XDD, LLC

Work Order: 20120719

Client Project: Ameren Huster Road GW

Report Date: 16-Dec-20

Lab ID: 20120719-005

Client Sample ID: PZ-12

Matrix: GROUNDWATER

Collection Date: 12/09/2020 15:10

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Chloroform	NELAP	0.2	2.0		ND	µg/L	1	12/12/2020 4:41	172016
Chloromethane	NELAP	0.2	5.0		ND	µg/L	1	12/12/2020 4:41	172016
Chloroprene	NELAP	0.1	5.0		ND	µg/L	1	12/12/2020 4:41	172016
cis-1,2-Dichloroethene	NELAP	0.2	2.0		ND	µg/L	1	12/12/2020 4:41	172016
cis-1,3-Dichloropropene	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 4:41	172016
cis-1,4-Dichloro-2-butene	NELAP	0.2	2.0		ND	µg/L	1	12/12/2020 4:41	172016
Cyclohexanone	*	16.0	20.0		ND	µg/L	1	12/12/2020 4:41	172016
Dibromochloromethane	NELAP	0.2	2.0		ND	µg/L	1	12/12/2020 4:41	172016
Dibromomethane	NELAP	0.2	2.0		ND	µg/L	1	12/12/2020 4:41	172016
Dichlorodifluoromethane	NELAP	0.2	2.0		ND	µg/L	1	12/12/2020 4:41	172016
Ethyl acetate	NELAP	2.6	10.0		ND	µg/L	1	12/12/2020 4:41	172016
Ethyl ether	NELAP	0.2	5.0		ND	µg/L	1	12/12/2020 4:41	172016
Ethyl methacrylate	NELAP	0.3	5.0		ND	µg/L	1	12/12/2020 4:41	172016
Ethylbenzene	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 4:41	172016
Hexachlorobutadiene	NELAP	0.3	5.0		ND	µg/L	1	12/12/2020 4:41	172016
Hexachloroethane	NELAP	0.1	5.0		ND	µg/L	1	12/12/2020 4:41	172016
Iodomethane	NELAP	2.6	5.0		ND	µg/L	1	12/12/2020 4:41	172016
Isopropylbenzene	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 4:41	172016
m,p-Xylenes	NELAP	0.2	2.0		ND	µg/L	1	12/12/2020 4:41	172016
Methacrylonitrile	NELAP	0.5	5.0		ND	µg/L	1	12/12/2020 4:41	172016
Methyl Methacrylate	NELAP	0.2	5.0		ND	µg/L	1	12/12/2020 4:41	172016
Methyl tert-butyl ether	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 4:41	172016
Methylacrylate	NELAP	0.2	5.0		ND	µg/L	1	12/12/2020 4:41	172016
Methylene chloride	NELAP	0.9	2.0		ND	µg/L	1	12/12/2020 4:41	172016
Naphthalene	NELAP	0.3	5.0		ND	µg/L	1	12/12/2020 4:41	172016
n-Butyl acetate	*	0.3	2.0		ND	µg/L	1	12/12/2020 4:41	172016
n-Butylbenzene	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 4:41	172016
n-Heptane	*	0.2	5.0		ND	µg/L	1	12/12/2020 4:41	172016
n-Hexane	*	0.6	5.0		ND	µg/L	1	12/12/2020 4:41	172016
Nitrobenzene	NELAP	10.0	50.0		ND	µg/L	1	12/12/2020 4:41	172016
n-Propylbenzene	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 4:41	172016
o-Xylene	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 4:41	172016
Pentachloroethane	NELAP	0.4	5.0		ND	µg/L	1	12/12/2020 4:41	172016
p-Isopropyltoluene	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 4:41	172016
Propionitrile	NELAP	0.9	10.0		ND	µg/L	1	12/12/2020 4:41	172016
sec-Butylbenzene	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 4:41	172016
Styrene	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 4:41	172016
tert-Butylbenzene	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 4:41	172016
Tetrachloroethene	NELAP	0.1	0.5		ND	µg/L	1	12/12/2020 4:41	172016
Tetrahydrofuran	NELAP	0.8	5.0		ND	µg/L	1	12/12/2020 4:41	172016
Toluene	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 4:41	172016
trans-1,2-Dichloroethene	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 4:41	172016
trans-1,3-Dichloropropene	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 4:41	172016
trans-1,4-Dichloro-2-butene	NELAP	0.2	2.0		ND	µg/L	1	12/12/2020 4:41	172016
Trichloroethene	NELAP	0.2	2.0		ND	µg/L	1	12/12/2020 4:41	172016
Trichlorofluoromethane	NELAP	0.1	5.0		ND	µg/L	1	12/12/2020 4:41	172016
Vinyl acetate	NELAP	0.3	5.0		ND	µg/L	1	12/12/2020 4:41	172016



Laboratory Results

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Client: XDD, LLC

Work Order: 20120719

Client Project: Ameren Huster Road GW

Report Date: 16-Dec-20

Lab ID: 20120719-005

Client Sample ID: PZ-12

Matrix: GROUNDWATER

Collection Date: 12/09/2020 15:10

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Vinyl chloride	NELAP	0.1	2.0		ND	µg/L	1	12/12/2020 4:41	172016
Surr: 1,2-Dichloroethane-d4	*	0	80-120		104.5	%REC	1	12/12/2020 4:41	172016
Surr: 4-Bromofluorobenzene	*	0	80-120		106.5	%REC	1	12/12/2020 4:41	172016
Surr: Dibromofluoromethane	*	0	80-120		96.0	%REC	1	12/12/2020 4:41	172016
Surr: Toluene-d8	*	0	80-120	S	121.8	%REC	1	12/12/2020 4:41	172016

Surrogate recovery is outside control limits due to matrix interference.

RPD for LCS/LCSD was outside of QC limits for Acrylonitrile, Ethyl acetate, Methylene chloride, n-Amyl acetate, Pentachloroethane & Vinyl acetate.

LCS recovered outside upper control limits for Acrolein & Tetrachloroethene. Sample results are below the reporting limit. Data is reportable per the TNI Standard.

Allowable Marginal Exceedance of Pentachloroethane & Vinyl acetate in the laboratory control sample is verified per the TNI Standard.

Sample Summary

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Client: XDD, LLC

Work Order: 20120719

Client Project: Ameren Huster Road GW

Report Date: 16-Dec-20

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
20120719-001	PZ-1	Groundwater	1	12/09/2020 11:40
20120719-002	PZ-2	Groundwater	1	12/09/2020 12:30
20120719-003	PZ-3	Groundwater	1	12/09/2020 13:20
20120719-004	PZ-11	Groundwater	1	12/09/2020 14:20
20120719-005	PZ-12	Groundwater	1	12/09/2020 15:10

Client: XDD, LLC

Work Order: 20120719

Client Project: Ameren Huster Road GW

Report Date: 16-Dec-20

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
		Test Name			
20120719-001A	PZ-1	12/09/2020 11:40	12/10/2020 13:15		
		SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS			12/12/2020 2:59
		SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS			12/14/2020 11:25
20120719-002A	PZ-2	12/09/2020 12:30	12/10/2020 13:15		
		SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS			12/12/2020 3:25
		SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS			12/14/2020 11:52
20120719-003A	PZ-3	12/09/2020 13:20	12/10/2020 13:15		
		SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS			12/12/2020 3:50
20120719-004A	PZ-11	12/09/2020 14:20	12/10/2020 13:15		
		SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS			12/12/2020 4:16
20120719-005A	PZ-12	12/09/2020 15:10	12/10/2020 13:15		
		SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS			12/12/2020 4:41



Quality Control Results

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Client: XDD, LLC

Work Order: 20120719

Client Project: Ameren Huster Road GW

Report Date: 16-Dec-20

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
1,1,1,2-Tetrachloroethane	*	2.0		ND						12/12/2020
1,1,1-Trichloroethane	*	2.0		ND						12/12/2020
1,1,2,2-Tetrachloroethane	*	2.0		ND						12/12/2020
1,1,2-Trichloro-1,2,2-trifluoroethane	*	5.0		ND						12/12/2020
1,1,2-Trichloroethane	*	0.5		ND						12/12/2020
1,1-Dichloro-2-propanone	*	30.0		ND						12/12/2020
1,1-Dichloroethane	*	2.0		ND						12/12/2020
1,1-Dichloroethene	*	2.0		ND						12/12/2020
1,1-Dichloropropene	*	2.0		ND						12/12/2020
1,2,3-Trichlorobenzene	*	2.0		ND						12/12/2020
1,2,3-Trichloropropane	*	2.0		ND						12/12/2020
1,2,3-Trimethylbenzene	*	2.0		ND						12/12/2020
1,2,4-Trichlorobenzene	*	2.0		ND						12/12/2020
1,2,4-Trimethylbenzene	*	2.0		ND						12/12/2020
1,2-Dibromo-3-chloropropane	*	5.0		ND						12/12/2020
1,2-Dibromoethane	*	2.0		ND						12/12/2020
1,2-Dichlorobenzene	*	2.0		ND						12/12/2020
1,2-Dichloroethane	*	2.0		ND						12/12/2020
1,2-Dichloropropane	*	2.0		ND						12/12/2020
1,3,5-Trimethylbenzene	*	2.0		ND						12/12/2020
1,3-Dichlorobenzene	*	2.0		ND						12/12/2020
1,3-Dichloropropane	*	2.0		ND						12/12/2020
1,4-Dichlorobenzene	*	2.0		ND						12/12/2020
1-Chlorobutane	*	5.0		ND						12/12/2020
2,2-Dichloropropane	*	2.0		ND						12/12/2020
2-Butanone	*	10.0		ND						12/12/2020
2-Chloroethyl vinyl ether	*	5.0		ND						12/12/2020
2-Chlorotoluene	*	2.0		ND						12/12/2020
2-Hexanone	*	10.0		ND						12/12/2020
2-Nitropropane	*	10.0		ND						12/12/2020
4-Chlorotoluene	*	2.0		ND						12/12/2020
4-Methyl-2-pentanone	*	10.0		ND						12/12/2020
Acetone	*	10.0		ND						12/12/2020
Acetonitrile	*	10.0		ND						12/12/2020
Acrolein	*	20.0		ND						12/12/2020
Acrylonitrile	*	5.0		ND						12/12/2020
Allyl chloride	*	5.0		ND						12/12/2020

Client: XDD, LLC

Work Order: 20120719

Client Project: Ameren Huster Road GW

Report Date: 16-Dec-20

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	*	0.5		ND						12/12/2020
Bromobenzene	*	2.0		ND						12/12/2020
Bromoform	*	2.0		ND						12/12/2020
Bromochloromethane	*	2.0		ND						12/12/2020
Bromodichloromethane	*	2.0		ND						12/12/2020
Bromomethane	*	5.0		ND						12/12/2020
Carbon disulfide	*	2.0		ND						12/12/2020
Carbon tetrachloride	*	2.0		ND						12/12/2020
Chlorobenzene	*	2.0		ND						12/12/2020
Chloroethane	*	2.0		ND						12/12/2020
Chloroform	*	2.0		ND						12/12/2020
Chloromethane	*	5.0		ND						12/12/2020
Chloroprene	*	5.0		ND						12/12/2020
cis-1,2-Dichloroethene	*	2.0		ND						12/12/2020
cis-1,3-Dichloropropene	*	2.0		ND						12/12/2020
cis-1,4-Dichloro-2-butene	*	2.0		ND						12/12/2020
Cyclohexanone	*	20.0		ND						12/12/2020
Dibromochloromethane	*	2.0		ND						12/12/2020
Dibromomethane	*	2.0		ND						12/12/2020
Dichlorodifluoromethane	*	2.0		ND						12/12/2020
Ethyl acetate	*	10.0		ND						12/12/2020
Ethyl ether	*	5.0		ND						12/12/2020
Ethyl methacrylate	*	5.0		ND						12/12/2020
Ethylbenzene	*	2.0		ND						12/12/2020
Hexachlorobutadiene	*	5.0		ND						12/12/2020
Hexachloroethane	*	5.0		ND						12/12/2020
Iodomethane	*	5.0		ND						12/12/2020
Isopropylbenzene	*	2.0		ND						12/12/2020
m,p-Xylenes	*	2.0		ND						12/12/2020
Methacrylonitrile	*	5.0		ND						12/12/2020
Methyl Methacrylate	*	5.0		ND						12/12/2020
Methyl tert-butyl ether	*	2.0		ND						12/12/2020
Methylacrylate	*	5.0		ND						12/12/2020
Methylene chloride	*	2.0		ND						12/12/2020
Naphthalene	*	5.0		ND						12/12/2020
n-Butyl acetate	*	2.0		ND						12/12/2020
n-Butylbenzene	*	2.0		ND						12/12/2020

Client: XDD, LLC

Work Order: 20120719

Client Project: Ameren Huster Road GW

Report Date: 16-Dec-20

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
n-Heptane	*	5.0		ND						12/12/2020
n-Hexane	*	5.0		ND						12/12/2020
Nitrobenzene	*	50.0		ND						12/12/2020
n-Propylbenzene	*	2.0		ND						12/12/2020
o-Xylene	*	2.0		ND						12/12/2020
Pentachloroethane	*	5.0		ND						12/12/2020
p-Isopropyltoluene	*	2.0		ND						12/12/2020
Propionitrile	*	10.0		ND						12/12/2020
sec-Butylbenzene	*	2.0		ND						12/12/2020
Styrene	*	2.0		ND						12/12/2020
tert-Butylbenzene	*	2.0		ND						12/12/2020
Tetrachloroethene	*	0.5		ND						12/12/2020
Tetrahydrofuran	*	5.0		ND						12/12/2020
Toluene	*	2.0		ND						12/12/2020
trans-1,2-Dichloroethene	*	2.0		ND						12/12/2020
trans-1,3-Dichloropropene	*	2.0		ND						12/12/2020
trans-1,4-Dichloro-2-butene	*	2.0		ND						12/12/2020
Trichloroethene	*	2.0		ND						12/12/2020
Trichlorofluoromethane	*	5.0		ND						12/12/2020
Vinyl acetate	*	5.0		ND						12/12/2020
Vinyl chloride	*	2.0		ND						12/12/2020
Surr: 1,2-Dichloroethane-d4	*			51.4	50.00		102.7	80	120	12/12/2020
Surr: 4-Bromofluorobenzene	*			51.8	50.00		103.5	80	120	12/12/2020
Surr: Dibromofluoromethane	*			48.9	50.00		97.8	80	120	12/12/2020
Surr: Toluene-d8	*			51.3	50.00		102.6	80	120	12/12/2020

Client: XDD, LLC

Work Order: 20120719

Client Project: Ameren Huster Road GW

Report Date: 16-Dec-20

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch	172016	SampType:	LCS	Units µg/L									
				Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Analyses													
1,1,1,2-Tetrachloroethane	*	2.0		52.6			50.00	0		105.2	82	113	12/11/2020
1,1,1-Trichloroethane	*	2.0		51.8			50.00	0		103.6	76.9	128	12/11/2020
1,1,2,2-Tetrachloroethane	*	2.0		49.3			50.00	0		98.7	76.7	113	12/11/2020
1,1,2-Trichloro-1,2,2-trifluoroethane	*	5.0		53.2			50.00	0		106.3	69.5	127	12/11/2020
1,1,2-Trichloroethane	*	0.5		52.0			50.00	0		104.0	83.8	111	12/11/2020
1,1-Dichloro-2-propanone	*	30.0		118			125.0	0		94.2	74.9	117	12/11/2020
1,1-Dichloroethane	*	2.0		51.0			50.00	0		102.0	77	129	12/11/2020
1,1-Dichloroethene	*	2.0		54.3			50.00	0		108.6	69.4	127	12/11/2020
1,1-Dichloropropene	*	2.0		53.6			50.00	0		107.1	75.1	123	12/11/2020
1,2,3-Trichlorobenzene	*	2.0		53.8			50.00	0		107.7	77.3	121	12/11/2020
1,2,3-Trichloropropane	*	2.0		46.1			50.00	0		92.2	75.3	109	12/11/2020
1,2,3-Trimethylbenzene	*	2.0		54.0			50.00	0		107.9	77	115	12/11/2020
1,2,4-Trichlorobenzene	*	2.0		53.3			50.00	0		106.6	76.8	124	12/11/2020
1,2,4-Trimethylbenzene	*	2.0		53.3			50.00	0		106.6	75	115	12/11/2020
1,2-Dibromo-3-chloropropane	*	5.0		46.1			50.00	0		92.2	71.9	119	12/11/2020
1,2-Dibromoethane	*	2.0		49.4			50.00	0		98.9	83.6	110	12/11/2020
1,2-Dichlorobenzene	*	2.0		53.6			50.00	0		107.1	72.1	113	12/11/2020
1,2-Dichloroethane	*	2.0		50.6			50.00	0		101.1	72.3	117	12/11/2020
1,2-Dichloropropane	*	2.0		55.1			50.00	0		110.2	76.5	119	12/11/2020
1,3,5-Trimethylbenzene	*	2.0		52.9			50.00	0		105.9	75.2	117	12/11/2020
1,3-Dichlorobenzene	*	2.0		54.7			50.00	0		109.5	75.2	115	12/11/2020
1,3-Dichloropropane	*	2.0		51.7			50.00	0		103.4	80.9	110	12/11/2020
1,4-Dichlorobenzene	*	2.0		54.0			50.00	0		108.0	73.9	112	12/11/2020
1-Chlorobutane	*	5.0		55.5			50.00	0		111.1	74.9	130	12/11/2020
2,2-Dichloropropane	*	2.0		44.6			50.00	0		89.2	66.5	138	12/11/2020
2-Butanone	*	10.0		125			125.0	0		100.1	68.8	134	12/11/2020
2-Chloroethyl vinyl ether	*	5.0		55.9			50.00	0		111.8	17.8	163	12/11/2020
2-Chlorotoluene	*	2.0		53.3			50.00	0		106.5	74.9	115	12/11/2020
2-Hexanone	*	10.0		124			125.0	0		99.1	73.2	117	12/11/2020
2-Nitropropane	*	10.0		575			500.0	0		115.0	67.1	140	12/11/2020
4-Chlorotoluene	*	2.0		53.3			50.00	0		106.7	75.7	113	12/11/2020
4-Methyl-2-pentanone	*	10.0		130			125.0	0		103.8	77	113	12/11/2020
Acetone	*	10.0		126			125.0	0		100.8	61.4	130	12/11/2020
Acetonitrile	*	10.0		545			500.0	0		109.0	68.8	136	12/11/2020
Acrolein	*	20.0	S	1110			500.0	0		222.7	28.4	168	12/11/2020
Acrylonitrile	*	5.0		51.6			50.00	0		103.2	77.9	124	12/11/2020
Allyl chloride	*	5.0		48.5			50.00	0		96.9	75.8	130	12/11/2020

Client: XDD, LLC

Work Order: 20120719

Client Project: Ameren Huster Road GW

Report Date: 16-Dec-20

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch	172016	SampType:	LCS	Units	µg/L						Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Benzene		*	0.5		50.9	50.00	0	101.9	78.5	119	12/11/2020
Bromobenzene		*	2.0		53.2	50.00	0	106.4	77.5	113	12/11/2020
Bromoform		*	2.0		50.6	50.00	0	101.2	71.5	123	12/11/2020
Bromochloromethane		*	2.0		54.9	50.00	0	109.8	75.7	123	12/11/2020
Bromodichloromethane		*	2.0		50.8	50.00	0	101.6	78.9	121	12/11/2020
Bromomethane		*	5.0		52.3	50.00	0	104.6	30.5	192	12/11/2020
Carbon disulfide		*	2.0		51.0	50.00	0	101.9	66.7	121	12/11/2020
Carbon tetrachloride		*	2.0		51.5	50.00	0	102.9	70.9	127	12/11/2020
Chlorobenzene		*	2.0		53.3	50.00	0	106.6	80	111	12/11/2020
Chloroethane		*	2.0		53.3	50.00	0	106.6	69.6	135	12/11/2020
Chloroform		*	2.0		52.2	50.00	0	104.3	76.2	120	12/11/2020
Chloromethane		*	5.0		47.8	50.00	0	95.6	50.9	138	12/11/2020
Chloroprene		*	5.0		53.5	50.00	0	107.0	68.4	127	12/11/2020
cis-1,2-Dichloroethene		*	2.0		50.1	50.00	0	100.1	79.5	121	12/11/2020
cis-1,3-Dichloropropene		*	2.0		53.5	50.00	0	107.0	79.8	123	12/11/2020
cis-1,4-Dichloro-2-butene		*	2.0		47.1	50.00	0	94.1	64.6	130	12/11/2020
Cyclohexanone		*	20.0		494	500.0	0	98.8	70.5	114	12/11/2020
Dibromochloromethane		*	2.0		52.0	50.00	0	104.0	84.5	114	12/11/2020
Dibromomethane		*	2.0		52.3	50.00	0	104.7	76	119	12/11/2020
Dichlorodifluoromethane		*	2.0		52.4	50.00	0	104.7	46.6	142	12/11/2020
Ethyl acetate		*	10.0		49.1	50.00	0	98.3	70.3	115	12/11/2020
Ethyl ether		*	5.0		51.1	50.00	0	102.1	74.6	120	12/11/2020
Ethyl methacrylate		*	5.0		50.0	50.00	0	100.1	81.4	116	12/11/2020
Ethylbenzene		*	2.0		54.4	50.00	0	108.8	78.2	114	12/11/2020
Hexachlorobutadiene		*	5.0		51.9	50.00	0	103.8	73.9	129	12/11/2020
Hexachloroethane		*	5.0		48.7	50.00	0	97.5	78.3	123	12/11/2020
Iodomethane		*	5.0		43.4	50.00	0	86.9	50	151	12/11/2020
Isopropylbenzene		*	2.0		54.9	50.00	0	109.9	79.3	115	12/11/2020
m,p-Xylenes		*	2.0		110	100.0	0	109.8	77.2	116	12/11/2020
Methacrylonitrile		*	5.0		51.9	50.00	0	103.8	73.9	127	12/11/2020
Methyl Methacrylate		*	5.0		53.5	50.00	0	107.0	70.7	129	12/11/2020
Methyl tert-butyl ether		*	2.0		51.8	50.00	0	103.5	80.3	122	12/11/2020
Methylacrylate		*	5.0		50.6	50.00	0	101.3	75.2	124	12/11/2020
Methylene chloride		*	2.0		53.6	50.00	0	107.1	71.8	115	12/11/2020
Naphthalene		*	5.0		51.3	50.00	0	102.6	75.6	121	12/11/2020
n-Butyl acetate		*	2.0		48.6	50.00	0	97.2	72.4	118	12/11/2020
n-Butylbenzene		*	2.0		51.6	50.00	0	103.3	70.8	118	12/11/2020

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SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch	172016	SampType:	LCS	Units	µg/L						Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
n-Heptane		*	5.0		51.0	50.00	0	102.0	50.4	143	12/11/2020
n-Hexane		*	5.0		48.8	50.00	0	97.7	60.6	139	12/11/2020
Nitrobenzene		*	50.0		435	500.0	0	86.9	49.4	129	12/11/2020
n-Propylbenzene		*	2.0		53.6	50.00	0	107.1	74	119	12/11/2020
o-Xylene		*	2.0		54.2	50.00	0	108.4	79.2	112	12/11/2020
Pentachloroethane		*	5.0		49.6	50.00	0	99.2	71.8	124	12/11/2020
p-Isopropyltoluene		*	2.0		52.6	50.00	0	105.3	74.4	119	12/11/2020
Propionitrile		*	10.0		536	500.0	0	107.2	76.2	127	12/11/2020
sec-Butylbenzene		*	2.0		53.5	50.00	0	106.9	74.4	119	12/11/2020
Styrene		*	2.0		55.2	50.00	0	110.4	80.4	117	12/11/2020
tert-Butylbenzene		*	2.0		51.4	50.00	0	102.9	74	115	12/11/2020
Tetrachloroethene		*	0.5		57.2	50.00	0	114.3	70.1	120	12/11/2020
Tetrahydrofuran		*	5.0		47.3	50.00	0	94.5	63.5	122	12/11/2020
Toluene		*	2.0		53.8	50.00	0	107.6	78.6	112	12/11/2020
trans-1,2-Dichloroethene		*	2.0		52.9	50.00	0	105.9	75.7	130	12/11/2020
trans-1,3-Dichloropropene		*	2.0		50.7	50.00	0	101.5	80.3	116	12/11/2020
trans-1,4-Dichloro-2-butene		*	2.0		45.6	50.00	0	91.1	65.5	124	12/11/2020
Trichloroethene		*	2.0		54.8	50.00	0	109.6	76.2	121	12/11/2020
Trichlorofluoromethane		*	5.0		57.1	50.00	0	114.2	71.1	131	12/11/2020
Vinyl acetate		*	5.0		48.7	50.00	0	97.3	79.8	129	12/11/2020
Vinyl chloride		*	2.0		64.3	50.00	0	128.5	58.6	141	12/11/2020
Surr: 1,2-Dichloroethane-d4		*			49.2	50.00		98.4	80	120	12/11/2020
Surr: 4-Bromofluorobenzene		*			47.6	50.00		95.1	80	120	12/11/2020
Surr: Dibromofluoromethane		*			49.2	50.00		98.4	80	120	12/11/2020
Surr: Toluene-d8		*			50.6	50.00		101.1	80	120	12/11/2020

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SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch	172016	SampType:	LCSD	Units	µg/L	RPD Limit 15.4						Date Analyzed
SampID: LCSD-AK201211A-2												
Analyses		Cert	RL	Qual	Result	Spike	SPK	Ref Val	%REC	RPD Ref Val	%RPD	
1,1,1,2-Tetrachloroethane	*		2.0		49.1	50.00	0		98.2	52.60	6.88	12/12/2020
1,1,1-Trichloroethane	*		2.0		47.8	50.00	0		95.5	51.81	8.16	12/12/2020
1,1,2,2-Tetrachloroethane	*		2.0		46.4	50.00	0		92.9	49.33	6.06	12/12/2020
1,1,2-Trichloro-1,2,2-trifluoroethane	*		5.0		45.8	50.00	0		91.5	53.16	14.98	12/12/2020
1,1,2-Trichloroethane	*		0.5		49.6	50.00	0		99.2	51.99	4.73	12/12/2020
1,1-Dichloro-2-propanone	*		30.0		106	125.0	0		84.7	117.8	10.66	12/12/2020
1,1-Dichloroethane	*		2.0		43.7	50.00	0		87.3	50.98	15.47	12/12/2020
1,1-Dichloroethene	*		2.0		46.8	50.00	0		93.6	54.28	14.80	12/12/2020
1,1-Dichloropropene	*		2.0		48.7	50.00	0		97.5	53.55	9.43	12/12/2020
1,2,3-Trichlorobenzene	*		2.0		50.5	50.00	0		101.1	53.85	6.36	12/12/2020
1,2,3-Trichloropropane	*		2.0		43.9	50.00	0		87.9	46.12	4.86	12/12/2020
1,2,3-Trimethylbenzene	*		2.0		50.1	50.00	0		100.2	53.96	7.44	12/12/2020
1,2,4-Trichlorobenzene	*		2.0		50.6	50.00	0		101.2	53.31	5.18	12/12/2020
1,2,4-Trimethylbenzene	*		2.0		49.6	50.00	0		99.1	53.29	7.27	12/12/2020
1,2-Dibromo-3-chloropropane	*		5.0		43.4	50.00	0		86.7	46.08	6.11	12/12/2020
1,2-Dibromoethane	*		2.0		46.8	50.00	0		93.7	49.45	5.44	12/12/2020
1,2-Dichlorobenzene	*		2.0		50.6	50.00	0		101.1	53.56	5.76	12/12/2020
1,2-Dichloroethane	*		2.0		47.1	50.00	0		94.2	50.56	7.04	12/12/2020
1,2-Dichloropropane	*		2.0		48.8	50.00	0		97.5	55.09	12.17	12/12/2020
1,3,5-Trimethylbenzene	*		2.0		49.7	50.00	0		99.5	52.94	6.25	12/12/2020
1,3-Dichlorobenzene	*		2.0		51.1	50.00	0		102.2	54.74	6.92	12/12/2020
1,3-Dichloropropane	*		2.0		48.9	50.00	0		97.9	51.71	5.52	12/12/2020
1,4-Dichlorobenzene	*		2.0		51.0	50.00	0		101.9	54.02	5.85	12/12/2020
1-Chlorobutane	*		5.0		50.9	50.00	0		101.8	55.54	8.70	12/12/2020
2,2-Dichloropropane	*		2.0		37.7	50.00	0		75.3	44.60	16.85	12/12/2020
2-Butanone	*		10.0		107	125.0	0		85.5	125.1	15.71	12/12/2020
2-Chloroethyl vinyl ether	*		5.0		49.3	50.00	0		98.7	55.90	12.47	12/12/2020
2-Chlorotoluene	*		2.0		49.8	50.00	0		99.6	53.26	6.69	12/12/2020
2-Hexanone	*		10.0		118	125.0	0		94.1	123.9	5.14	12/12/2020
2-Nitropropane	*		10.0		492	500.0	0		98.4	575.0	15.55	12/12/2020
4-Chlorotoluene	*		2.0		49.9	50.00	0		99.8	53.34	6.70	12/12/2020
4-Methyl-2-pentanone	*		10.0		124	125.0	0		99.0	129.7	4.75	12/12/2020
Acetone	*		10.0		110	125.0	0		88.0	126.0	13.60	12/12/2020
Acetonitrile	*		10.0		461	500.0	0		92.2	545.0	16.65	12/12/2020
Acrolein	*		20.0	S	943	500.0	0		188.7	1114	16.55	12/12/2020
Acrylonitrile	*		5.0	R	44.4	50.00	0		88.8	51.58	14.92	12/12/2020
Allyl chloride	*		5.0		42.1	50.00	0		84.2	48.46	14.00	12/12/2020

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SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch	172016	SampType	LCSD	Units	µg/L	RPD Limit 15.4					Date Analyzed
SamplID: LCSD-AK201211A-2											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Benzene	*		0.5		48.4	50.00	0	96.7	50.94	5.18	12/12/2020
Bromobenzene	*		2.0		50.0	50.00	0	100.0	53.20	6.24	12/12/2020
Bromoform	*		2.0		43.6	50.00	0	87.2	50.59	14.80	12/12/2020
Bromochloromethane	*		2.0		49.0	50.00	0	97.9	54.89	11.44	12/12/2020
Bromodichloromethane	*		2.0		43.3	50.00	0	86.5	50.82	16.05	12/12/2020
Bromomethane	*		5.0		48.1	50.00	0	96.2	52.32	8.36	12/12/2020
Carbon disulfide	*		2.0		43.7	50.00	0	87.4	50.96	15.36	12/12/2020
Carbon tetrachloride	*		2.0		46.6	50.00	0	93.1	51.46	10.02	12/12/2020
Chlorobenzene	*		2.0		49.9	50.00	0	99.8	53.32	6.59	12/12/2020
Chloroethane	*		2.0		45.6	50.00	0	91.1	53.30	15.68	12/12/2020
Chloroform	*		2.0		47.8	50.00	0	95.6	52.15	8.66	12/12/2020
Chloromethane	*		5.0		41.9	50.00	0	83.7	47.82	13.29	12/12/2020
Chloroprene	*		5.0		45.9	50.00	0	91.7	53.49	15.36	12/12/2020
cis-1,2-Dichloroethene	*		2.0		42.7	50.00	0	85.4	50.06	15.85	12/12/2020
cis-1,3-Dichloropropene	*		2.0		48.1	50.00	0	96.2	53.49	10.63	12/12/2020
cis-1,4-Dichloro-2-butene	*		2.0		39.9	50.00	0	79.8	47.07	16.49	12/12/2020
Cyclohexanone	*		20.0		422	500.0	0	84.5	494.2	15.69	12/12/2020
Dibromochloromethane	*		2.0		48.4	50.00	0	96.9	51.99	7.05	12/12/2020
Dibromomethane	*		2.0		46.7	50.00	0	93.4	52.34	11.35	12/12/2020
Dichlorodifluoromethane	*		2.0		45.1	50.00	0	90.2	52.37	14.96	12/12/2020
Ethyl acetate	*		10.0	R	40.8	50.00	0	81.6	49.13	18.53	12/12/2020
Ethyl ether	*		5.0		44.8	50.00	0	89.6	51.07	13.08	12/12/2020
Ethyl methacrylate	*		5.0		47.6	50.00	0	95.2	50.03	4.94	12/12/2020
Ethylbenzene	*		2.0		50.8	50.00	0	101.6	54.39	6.81	12/12/2020
Hexachlorobutadiene	*		5.0		49.1	50.00	0	98.2	51.89	5.48	12/12/2020
Hexachloroethane	*		5.0		45.5	50.00	0	90.9	48.73	6.92	12/12/2020
Iodomethane	*		5.0		37.8	50.00	0	75.6	43.44	13.94	12/12/2020
Isopropylbenzene	*		2.0		46.3	50.00	0	92.7	54.94	16.98	12/12/2020
m,p-Xylenes	*		2.0		102	100.0	0	102.0	109.8	7.42	12/12/2020
Methacrylonitrile	*		5.0		44.3	50.00	0	88.6	51.88	15.72	12/12/2020
Methyl Methacrylate	*		5.0		47.5	50.00	0	95.0	53.50	11.90	12/12/2020
Methyl tert-butyl ether	*		2.0		44.7	50.00	0	89.4	51.76	14.68	12/12/2020
Methylacrylate	*		5.0		42.5	50.00	0	85.0	50.63	17.51	12/12/2020
Methylene chloride	*		2.0	R	46.2	50.00	0	92.3	53.55	14.80	12/12/2020
Naphthalene	*		5.0		49.2	50.00	0	98.3	51.28	4.22	12/12/2020
n-Butyl acetate	*		2.0		45.7	50.00	0	91.4	48.60	6.13	12/12/2020
n-Butylbenzene	*		2.0		48.1	50.00	0	96.2	51.65	7.08	12/12/2020

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Report Date: 16-Dec-20

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch	172016	SampType	LCSD	Units	µg/L	RPD Limit 15.4						Date Analyzed
SamplID: LCSD-AK201211A-2												
Analyses		Cert	RL	Qual	Result	Spike	SPK	Ref Val	%REC	RPD	Ref Val	%RPD
n-Heptane	*		5.0		49.5	50.00	0		99.1	51.02	2.94	12/12/2020
n-Hexane	*		5.0		41.8	50.00	0		83.7	48.83	15.44	12/12/2020
Nitrobenzene	*		50.0		408	500.0	0		81.7	434.7	6.25	12/12/2020
n-Propylbenzene	*		2.0		50.1	50.00	0		100.2	53.57	6.69	12/12/2020
o-Xylene	*		2.0		49.1	50.00	0		98.2	54.18	9.84	12/12/2020
Pentachloroethane	*		5.0	SR	33.6	50.00	0		67.3	49.61	38.34	12/12/2020
p-Isopropyltoluene	*		2.0		48.4	50.00	0		96.9	52.65	8.33	12/12/2020
Propionitrile	*		10.0		460	500.0	0		92.0	535.9	15.25	12/12/2020
sec-Butylbenzene	*		2.0		49.6	50.00	0		99.3	53.46	7.41	12/12/2020
Styrene	*		2.0		49.6	50.00	0		99.2	55.21	10.71	12/12/2020
tert-Butylbenzene	*		2.0		48.4	50.00	0		96.7	51.45	6.21	12/12/2020
Tetrachloroethene	*		0.5	S	65.2	50.00	0		130.3	57.15	13.08	12/12/2020
Tetrahydrofuran	*		5.0		42.3	50.00	0		84.6	47.27	11.12	12/12/2020
Toluene	*		2.0		50.6	50.00	0		101.2	53.82	6.13	12/12/2020
trans-1,2-Dichloroethene	*		2.0		44.8	50.00	0		89.7	52.94	16.55	12/12/2020
trans-1,3-Dichloropropene	*		2.0		47.7	50.00	0		95.4	50.74	6.20	12/12/2020
trans-1,4-Dichloro-2-butene	*		2.0		42.5	50.00	0		85.1	45.57	6.88	12/12/2020
Trichloroethene	*		2.0		50.3	50.00	0		100.6	54.81	8.54	12/12/2020
Trichlorofluoromethane	*		5.0		49.4	50.00	0		98.9	57.08	14.32	12/12/2020
Vinyl acetate	*		5.0	SR	39.6	50.00	0		79.2	48.66	20.56	12/12/2020
Vinyl chloride	*		2.0		55.6	50.00	0		111.3	64.27	14.41	12/12/2020
Surr: 1,2-Dichloroethane-d4	*				49.4	50.00			98.8			12/12/2020
Surr: 4-Bromofluorobenzene	*				47.1	50.00			94.2			12/12/2020
Surr: Dibromofluoromethane	*				47.5	50.00			94.9			12/12/2020
Surr: Toluene-d8	*				50.6	50.00			101.2			12/12/2020

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Client Project: Ameren Huster Road GW

Report Date: 16-Dec-20

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch	172061	SampType	MBLK	Units	µg/L						Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK	Ref Val	%REC	Low Limit	High Limit
1,1,1,2-Tetrachloroethane		*	2.0		ND						12/14/2020
1,1,1-Trichloroethane		*	2.0		ND						12/14/2020
1,1,2,2-Tetrachloroethane		*	2.0		ND						12/14/2020
1,1,2-Trichloro-1,2,2-trifluoroethane		*	5.0		ND						12/14/2020
1,1,2-Trichloroethane		*	0.5		ND						12/14/2020
1,1-Dichloro-2-propanone		*	30.0		ND						12/14/2020
1,1-Dichloroethane		*	2.0		ND						12/14/2020
1,1-Dichloroethene		*	2.0		ND						12/14/2020
1,1-Dichloropropene		*	2.0		ND						12/14/2020
1,2,3-Trichlorobenzene		*	2.0		ND						12/14/2020
1,2,3-Trichloropropane		*	2.0		ND						12/14/2020
1,2,3-Trimethylbenzene		*	2.0		ND						12/14/2020
1,2,4-Trichlorobenzene		*	2.0		ND						12/14/2020
1,2,4-Trimethylbenzene		*	2.0		ND						12/14/2020
1,2-Dibromo-3-chloropropane		*	5.0		ND						12/14/2020
1,2-Dibromoethane		*	2.0		ND						12/14/2020
1,2-Dichlorobenzene		*	2.0		ND						12/14/2020
1,2-Dichloroethane		*	2.0		ND						12/14/2020
1,2-Dichloropropane		*	2.0		ND						12/14/2020
1,3,5-Trimethylbenzene		*	2.0		ND						12/14/2020
1,3-Dichlorobenzene		*	2.0		ND						12/14/2020
1,3-Dichloropropane		*	2.0		ND						12/14/2020
1,4-Dichlorobenzene		*	2.0		ND						12/14/2020
1-Chlorobutane		*	5.0		ND						12/14/2020
2,2-Dichloropropane		*	2.0		ND						12/14/2020
2-Butanone		*	10.0		ND						12/14/2020
2-Chloroethyl vinyl ether		*	5.0		ND						12/14/2020
2-Chlorotoluene		*	2.0		ND						12/14/2020
2-Hexanone		*	10.0		ND						12/14/2020
2-Nitropropane		*	10.0		ND						12/14/2020
4-Chlorotoluene		*	2.0		ND						12/14/2020
4-Methyl-2-pentanone		*	10.0		ND						12/14/2020
Acetone		*	10.0		ND						12/14/2020
Acetonitrile		*	10.0		ND						12/14/2020
Acrolein		*	20.0		ND						12/14/2020
Acrylonitrile		*	5.0		ND						12/14/2020
Allyl chloride		*	5.0		ND						12/14/2020

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SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	*	0.5		ND						12/14/2020
Bromobenzene	*	2.0		ND						12/14/2020
Bromoform	*	2.0		ND						12/14/2020
Bromochloromethane	*	2.0		ND						12/14/2020
Bromodichloromethane	*	2.0		ND						12/14/2020
Bromomethane	*	5.0		ND						12/14/2020
Carbon disulfide	*	2.0		ND						12/14/2020
Carbon tetrachloride	*	2.0		ND						12/14/2020
Chlorobenzene	*	2.0		ND						12/14/2020
Chloroethane	*	2.0		ND						12/14/2020
Chloroform	*	2.0		ND						12/14/2020
Chloromethane	*	5.0		ND						12/14/2020
Chloroprene	*	5.0		ND						12/14/2020
cis-1,2-Dichloroethene	*	2.0		ND						12/14/2020
cis-1,3-Dichloropropene	*	2.0		ND						12/14/2020
cis-1,4-Dichloro-2-butene	*	2.0		ND						12/14/2020
Cyclohexanone	*	20.0		ND						12/14/2020
Dibromochloromethane	*	2.0		ND						12/14/2020
Dibromomethane	*	2.0		ND						12/14/2020
Dichlorodifluoromethane	*	2.0		ND						12/14/2020
Ethyl acetate	*	10.0		ND						12/14/2020
Ethyl ether	*	5.0		ND						12/14/2020
Ethyl methacrylate	*	5.0		ND						12/14/2020
Ethylbenzene	*	2.0		ND						12/14/2020
Hexachlorobutadiene	*	5.0		ND						12/14/2020
Hexachloroethane	*	5.0		ND						12/14/2020
Iodomethane	*	5.0		ND						12/14/2020
Isopropylbenzene	*	2.0		ND						12/14/2020
m,p-Xylenes	*	2.0		ND						12/14/2020
Methacrylonitrile	*	5.0		ND						12/14/2020
Methyl Methacrylate	*	5.0		ND						12/14/2020
Methyl tert-butyl ether	*	2.0		ND						12/14/2020
Methylacrylate	*	5.0		ND						12/14/2020
Methylene chloride	*	2.0		ND						12/14/2020
Naphthalene	*	5.0		ND						12/14/2020
n-Butyl acetate	*	2.0		ND						12/14/2020
n-Butylbenzene	*	2.0		ND						12/14/2020

Client: XDD, LLC

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SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
n-Heptane	*	5.0		ND						12/14/2020
n-Hexane	*	5.0		ND						12/14/2020
Nitrobenzene	*	50.0		ND						12/14/2020
n-Propylbenzene	*	2.0		ND						12/14/2020
o-Xylene	*	2.0		ND						12/14/2020
Pentachloroethane	*	5.0		ND						12/14/2020
p-Isopropyltoluene	*	2.0		ND						12/14/2020
Propionitrile	*	10.0		ND						12/14/2020
sec-Butylbenzene	*	2.0		ND						12/14/2020
Styrene	*	2.0		ND						12/14/2020
tert-Butylbenzene	*	2.0		ND						12/14/2020
Tetrachloroethene	*	0.5		ND						12/14/2020
Tetrahydrofuran	*	5.0		ND						12/14/2020
Toluene	*	2.0		ND						12/14/2020
trans-1,2-Dichloroethene	*	2.0		ND						12/14/2020
trans-1,3-Dichloropropene	*	2.0		ND						12/14/2020
trans-1,4-Dichloro-2-butene	*	2.0		ND						12/14/2020
Trichloroethene	*	2.0		ND						12/14/2020
Trichlorofluoromethane	*	5.0		ND						12/14/2020
Vinyl acetate	*	5.0		ND						12/14/2020
Vinyl chloride	*	2.0		ND						12/14/2020
Surr: 1,2-Dichloroethane-d4	*			47.2	50.00	94.5	80	120	12/14/2020	
Surr: 4-Bromofluorobenzene	*			45.3	50.00	90.7	80	120	12/14/2020	
Surr: Dibromofluoromethane	*			48.8	50.00	97.7	80	120	12/14/2020	
Surr: Toluene-d8	*			50.4	50.00	100.8	80	120	12/14/2020	

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SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch	172061	SampType:	LCS	Units	µg/L						Date Analyzed
SampleID:			LCS-AE201214A-1								
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
1,1,1,2-Tetrachloroethane	*	2.0		54.8	50.00	0		109.5	82	113	12/14/2020
1,1,1-Trichloroethane	*	2.0		50.1	50.00	0		100.3	76.9	128	12/14/2020
1,1,2,2-Tetrachloroethane	*	2.0		51.4	50.00	0		102.9	76.7	113	12/14/2020
1,1,2-Trichloro-1,2,2-trifluoroethane	*	5.0		52.5	50.00	0		104.9	69.5	127	12/14/2020
1,1,2-Trichloroethane	*	0.5		53.9	50.00	0		107.8	83.8	111	12/14/2020
1,1-Dichloro-2-propanone	*	30.0		138	125.0	0		110.2	74.9	117	12/14/2020
1,1-Dichloroethane	*	2.0		51.1	50.00	0		102.2	77	129	12/14/2020
1,1-Dichloroethene	*	2.0		52.0	50.00	0		104.0	69.4	127	12/14/2020
1,1-Dichloropropene	*	2.0		50.4	50.00	0		100.8	75.1	123	12/14/2020
1,2,3-Trichlorobenzene	*	2.0	S	62.6	50.00	0		125.3	77.3	121	12/14/2020
1,2,3-Trichloropropane	*	2.0		49.1	50.00	0		98.2	75.3	109	12/14/2020
1,2,3-Trimethylbenzene	*	2.0		50.2	50.00	0		100.5	77	115	12/14/2020
1,2,4-Trichlorobenzene	*	2.0		61.0	50.00	0		122.0	76.8	124	12/14/2020
1,2,4-Trimethylbenzene	*	2.0		50.7	50.00	0		101.4	75	115	12/14/2020
1,2-Dibromo-3-chloropropane	*	5.0		53.8	50.00	0		107.6	71.9	119	12/14/2020
1,2-Dibromoethane	*	2.0		53.5	50.00	0		107.1	83.6	110	12/14/2020
1,2-Dichlorobenzene	*	2.0		53.1	50.00	0		106.2	72.1	113	12/14/2020
1,2-Dichloroethane	*	2.0		45.1	50.00	0		90.2	72.3	117	12/14/2020
1,2-Dichloropropane	*	2.0		52.1	50.00	0		104.2	76.5	119	12/14/2020
1,3,5-Trimethylbenzene	*	2.0		51.0	50.00	0		102.0	75.2	117	12/14/2020
1,3-Dichlorobenzene	*	2.0		53.7	50.00	0		107.3	75.2	115	12/14/2020
1,3-Dichloropropane	*	2.0		50.9	50.00	0		101.8	80.9	110	12/14/2020
1,4-Dichlorobenzene	*	2.0		52.7	50.00	0		105.5	73.9	112	12/14/2020
1-Chlorobutane	*	5.0		53.6	50.00	0		107.1	74.9	130	12/14/2020
2,2-Dichloropropane	*	2.0		51.5	50.00	0		103.1	66.5	138	12/14/2020
2-Butanone	*	10.0		133	125.0	0		106.4	68.8	134	12/14/2020
2-Chloroethyl vinyl ether	*	5.0		51.1	50.00	0		102.3	17.8	163	12/14/2020
2-Chlorotoluene	*	2.0		49.0	50.00	0		98.0	74.9	115	12/14/2020
2-Hexanone	*	10.0		137	125.0	0		109.5	73.2	117	12/14/2020
2-Nitropropane	*	10.0		552	500.0	0		110.4	67.1	140	12/14/2020
4-Chlorotoluene	*	2.0		49.3	50.00	0		98.7	75.7	113	12/14/2020
4-Methyl-2-pentanone	*	10.0		137	125.0	0		109.5	77	113	12/14/2020
Acetone	*	10.0		126	125.0	0		100.7	61.4	130	12/14/2020
Acetonitrile	*	10.0		585	500.0	0		117.1	68.8	136	12/14/2020
Acrolein	*	20.0		557	500.0	0		111.5	28.4	168	12/14/2020
Acrylonitrile	*	5.0		55.5	50.00	0		111.0	77.9	124	12/14/2020
Allyl chloride	*	5.0		56.7	50.00	0		113.5	75.8	130	12/14/2020

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Report Date: 16-Dec-20

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch	172061	SampType:	LCS	Units	µg/L						Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Benzene		*	0.5		49.4	50.00	0	98.7	78.5	119	12/14/2020
Bromobenzene		*	2.0		52.2	50.00	0	104.4	77.5	113	12/14/2020
Bromoform		*	2.0	S	61.0	50.00	0	122.0	78.9	121	12/14/2020
Bromochloromethane		*	2.0		50.4	50.00	0	100.9	71.5	123	12/14/2020
Bromodichloromethane		*	2.0		52.4	50.00	0	104.7	75.7	123	12/14/2020
Bromomethane		*	5.0		57.2	50.00	0	114.4	30.5	192	12/14/2020
Carbon disulfide		*	2.0		49.4	50.00	0	98.7	66.7	121	12/14/2020
Carbon tetrachloride		*	2.0		50.7	50.00	0	101.3	70.9	127	12/14/2020
Chlorobenzene		*	2.0		51.4	50.00	0	102.8	80	111	12/14/2020
Chloroethane		*	2.0		48.2	50.00	0	96.3	69.6	135	12/14/2020
Chloroform		*	2.0		51.2	50.00	0	102.3	76.2	120	12/14/2020
Chloromethane		*	5.0		43.5	50.00	0	87.0	50.9	138	12/14/2020
Chloroprene		*	5.0		51.4	50.00	0	102.7	68.4	127	12/14/2020
cis-1,2-Dichloroethene		*	2.0		51.6	50.00	0	103.2	79.5	121	12/14/2020
cis-1,3-Dichloropropene		*	2.0		53.0	50.00	0	106.0	79.8	123	12/14/2020
cis-1,4-Dichloro-2-butene		*	2.0		59.5	50.00	0	119.0	64.6	130	12/14/2020
Cyclohexanone		*	20.0	S	595	500.0	0	119.0	70.5	114	12/14/2020
Dibromochloromethane		*	2.0		56.2	50.00	0	112.3	84.5	114	12/14/2020
Dibromomethane		*	2.0		50.9	50.00	0	101.9	76	119	12/14/2020
Dichlorodifluoromethane		*	2.0		44.0	50.00	0	88.1	46.6	142	12/14/2020
Ethyl acetate		*	10.0		52.8	50.00	0	105.5	70.3	115	12/14/2020
Ethyl ether		*	5.0		53.0	50.00	0	105.9	74.6	120	12/14/2020
Ethyl methacrylate		*	5.0		53.4	50.00	0	106.8	81.4	116	12/14/2020
Ethylbenzene		*	2.0		51.5	50.00	0	102.9	78.2	114	12/14/2020
Hexachlorobutadiene		*	5.0		63.3	50.00	0	126.7	73.9	129	12/14/2020
Hexachloroethane		*	5.0		53.5	50.00	0	106.9	78.3	123	12/14/2020
Iodomethane		*	5.0		45.0	50.00	0	89.9	50	151	12/14/2020
Isopropylbenzene		*	2.0		52.7	50.00	0	105.3	79.3	115	12/14/2020
m,p-Xylenes		*	2.0		103	100.0	0	102.6	77.2	116	12/14/2020
Methacrylonitrile		*	5.0		53.0	50.00	0	106.0	73.9	127	12/14/2020
Methyl Methacrylate		*	5.0		52.4	50.00	0	104.9	70.7	129	12/14/2020
Methyl tert-butyl ether		*	2.0		50.7	50.00	0	101.5	80.3	122	12/14/2020
Methylacrylate		*	5.0		54.0	50.00	0	107.9	75.2	124	12/14/2020
Methylene chloride		*	2.0		47.6	50.00	0	95.2	71.8	115	12/14/2020
Naphthalene		*	5.0		58.0	50.00	0	116.0	75.6	121	12/14/2020
n-Butyl acetate		*	2.0		53.4	50.00	0	106.9	72.4	118	12/14/2020
n-Butylbenzene		*	2.0		49.4	50.00	0	98.8	70.8	118	12/14/2020

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SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch	172061	SampType:	LCS	Units	µg/L						Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
n-Heptane		*	5.0		60.6	50.00	0	121.3	50.4	143	12/14/2020
n-Hexane		*	5.0		51.5	50.00	0	102.9	60.6	139	12/14/2020
Nitrobenzene		*	50.0		561	500.0	0	112.1	49.4	129	12/14/2020
n-Propylbenzene		*	2.0		50.1	50.00	0	100.2	74	119	12/14/2020
o-Xylene		*	2.0		50.9	50.00	0	101.8	79.2	112	12/14/2020
Pentachloroethane		*	5.0		57.8	50.00	0	115.6	71.8	124	12/14/2020
p-Isopropyltoluene		*	2.0		50.9	50.00	0	101.8	74.4	119	12/14/2020
Propionitrile		*	10.0		556	500.0	0	111.2	76.2	127	12/14/2020
sec-Butylbenzene		*	2.0		51.6	50.00	0	103.2	74.4	119	12/14/2020
Styrene		*	2.0		52.9	50.00	0	105.8	80.4	117	12/14/2020
tert-Butylbenzene		*	2.0		49.9	50.00	0	99.8	74	115	12/14/2020
Tetrachloroethene		*	0.5		55.7	50.00	0	111.3	70.1	120	12/14/2020
Tetrahydrofuran		*	5.0		51.2	50.00	0	102.5	63.5	122	12/14/2020
Toluene		*	2.0		51.2	50.00	0	102.3	78.6	112	12/14/2020
trans-1,2-Dichloroethene		*	2.0		51.2	50.00	0	102.3	75.7	130	12/14/2020
trans-1,3-Dichloropropene		*	2.0		54.7	50.00	0	109.4	80.3	116	12/14/2020
trans-1,4-Dichloro-2-butene		*	2.0		55.5	50.00	0	111.0	65.5	124	12/14/2020
Trichloroethene		*	2.0		51.8	50.00	0	103.7	76.2	121	12/14/2020
Trichlorofluoromethane		*	5.0		50.2	50.00	0	100.3	71.1	131	12/14/2020
Vinyl acetate		*	5.0		54.8	50.00	0	109.5	79.8	129	12/14/2020
Vinyl chloride		*	2.0		48.0	50.00	0	95.9	58.6	141	12/14/2020
Surr: 1,2-Dichloroethane-d4		*			47.6	50.00		95.1	80	120	12/14/2020
Surr: 4-Bromofluorobenzene		*			46.2	50.00		92.4	80	120	12/14/2020
Surr: Dibromofluoromethane		*			49.5	50.00		99.0	80	120	12/14/2020
Surr: Toluene-d8		*			50.3	50.00		100.5	80	120	12/14/2020

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Report Date: 16-Dec-20

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch	172061	SampType:	LCSD	Units	µg/L	RPD Limit 15.4					Date Analyzed
SamplID: LCSD-AE201214A-1											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
1,1,1,2-Tetrachloroethane	*		2.0		53.3	50.00	0	106.6	54.77	2.74	12/14/2020
1,1,1-Trichloroethane	*		2.0		49.1	50.00	0	98.2	50.14	2.10	12/14/2020
1,1,2,2-Tetrachloroethane	*		2.0		49.9	50.00	0	99.7	51.44	3.12	12/14/2020
1,1,2-Trichloro-1,2,2-trifluoroethane	*		5.0		50.0	50.00	0	99.9	52.46	4.86	12/14/2020
1,1,2-Trichloroethane	*		0.5		52.5	50.00	0	105.0	53.91	2.61	12/14/2020
1,1-Dichloro-2-propanone	*		30.0		135	125.0	0	107.7	137.8	2.35	12/14/2020
1,1-Dichloroethane	*		2.0		49.6	50.00	0	99.2	51.11	3.02	12/14/2020
1,1-Dichloroethene	*		2.0		50.0	50.00	0	100.0	52.01	3.90	12/14/2020
1,1-Dichloropropene	*		2.0		48.3	50.00	0	96.5	50.40	4.34	12/14/2020
1,2,3-Trichlorobenzene	*		2.0	S	60.8	50.00	0	121.7	62.64	2.93	12/14/2020
1,2,3-Trichloropropane	*		2.0		48.2	50.00	0	96.3	49.10	1.91	12/14/2020
1,2,3-Trimethylbenzene	*		2.0		49.1	50.00	0	98.2	50.23	2.30	12/14/2020
1,2,4-Trichlorobenzene	*		2.0		58.1	50.00	0	116.1	60.98	4.91	12/14/2020
1,2,4-Trimethylbenzene	*		2.0		48.3	50.00	0	96.6	50.69	4.87	12/14/2020
1,2-Dibromo-3-chloropropane	*		5.0		52.0	50.00	0	103.9	53.81	3.50	12/14/2020
1,2-Dibromoethane	*		2.0		53.1	50.00	0	106.3	53.53	0.75	12/14/2020
1,2-Dichlorobenzene	*		2.0		51.8	50.00	0	103.7	53.10	2.38	12/14/2020
1,2-Dichloroethane	*		2.0		44.4	50.00	0	88.7	45.11	1.68	12/14/2020
1,2-Dichloropropane	*		2.0		50.5	50.00	0	100.9	52.10	3.20	12/14/2020
1,3,5-Trimethylbenzene	*		2.0		48.7	50.00	0	97.5	51.00	4.55	12/14/2020
1,3-Dichlorobenzene	*		2.0		52.2	50.00	0	104.5	53.67	2.68	12/14/2020
1,3-Dichloropropane	*		2.0		49.6	50.00	0	99.3	50.92	2.55	12/14/2020
1,4-Dichlorobenzene	*		2.0		51.3	50.00	0	102.5	52.74	2.83	12/14/2020
1-Chlorobutane	*		5.0		51.8	50.00	0	103.7	53.55	3.23	12/14/2020
2,2-Dichloropropane	*		2.0		47.8	50.00	0	95.5	51.54	7.63	12/14/2020
2-Butanone	*		10.0		130	125.0	0	103.9	133.0	2.41	12/14/2020
2-Chloroethyl vinyl ether	*		5.0		51.2	50.00	0	102.5	51.13	0.21	12/14/2020
2-Chlorotoluene	*		2.0		47.7	50.00	0	95.4	48.98	2.67	12/14/2020
2-Hexanone	*		10.0		134	125.0	0	107.2	136.9	2.17	12/14/2020
2-Nitropropane	*		10.0		541	500.0	0	108.2	552.2	2.08	12/14/2020
4-Chlorotoluene	*		2.0		47.7	50.00	0	95.4	49.34	3.36	12/14/2020
4-Methyl-2-pentanone	*		10.0		135	125.0	0	107.6	136.9	1.78	12/14/2020
Acetone	*		10.0		123	125.0	0	98.7	125.9	1.97	12/14/2020
Acetonitrile	*		10.0		559	500.0	0	111.8	585.3	4.59	12/14/2020
Acrolein	*		20.0		702	500.0	0	140.5	557.5	23.02	12/14/2020
Acrylonitrile	*		5.0		53.9	50.00	0	107.8	55.50	2.94	12/14/2020
Allyl chloride	*		5.0		55.5	50.00	0	110.9	56.73	2.25	12/14/2020

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Client Project: Ameren Huster Road GW

Report Date: 16-Dec-20

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch	172061	SampType:	LCSD	Units	µg/L	RPD Limit 15.4					Date Analyzed
SamplID: LCSD-AE201214A-1											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Benzene	*	0.5			48.3	50.00	0	96.6	49.35	2.19	12/14/2020
Bromobenzene	*	2.0			51.1	50.00	0	102.2	52.19	2.07	12/14/2020
Bromo-chloromethane	*	2.0			49.9	50.00	0	99.7	50.43	1.14	12/14/2020
Bromo-dichloromethane	*	2.0			51.0	50.00	0	102.0	52.37	2.67	12/14/2020
Bromoform	*	2.0	S		60.5	50.00	0	121.1	61.00	0.76	12/14/2020
Bromomethane	*	5.0			64.9	50.00	0	129.7	57.18	12.59	12/14/2020
Carbon disulfide	*	2.0			48.0	50.00	0	95.9	49.36	2.86	12/14/2020
Carbon tetrachloride	*	2.0			50.0	50.00	0	99.9	50.66	1.37	12/14/2020
Chlorobenzene	*	2.0			50.3	50.00	0	100.6	51.41	2.22	12/14/2020
Chloroethane	*	2.0			48.9	50.00	0	97.8	48.15	1.53	12/14/2020
Chloroform	*	2.0			51.3	50.00	0	102.5	51.17	0.20	12/14/2020
Chloromethane	*	5.0			44.7	50.00	0	89.4	43.48	2.79	12/14/2020
Chloroprene	*	5.0			49.7	50.00	0	99.4	51.35	3.23	12/14/2020
cis-1,2-Dichloroethene	*	2.0			50.2	50.00	0	100.5	51.62	2.71	12/14/2020
cis-1,3-Dichloropropene	*	2.0			51.1	50.00	0	102.3	52.99	3.55	12/14/2020
cis-1,4-Dichloro-2-butene	*	2.0			56.2	50.00	0	112.3	59.52	5.83	12/14/2020
Cyclohexanone	*	20.0			569	500.0	0	113.7	594.8	4.52	12/14/2020
Dibromochloromethane	*	2.0			55.6	50.00	0	111.1	56.16	1.09	12/14/2020
Dibromomethane	*	2.0			49.7	50.00	0	99.5	50.93	2.36	12/14/2020
Dichlorodifluoromethane	*	2.0			45.7	50.00	0	91.3	44.03	3.63	12/14/2020
Ethyl acetate	*	10.0			50.8	50.00	0	101.7	52.75	3.71	12/14/2020
Ethyl ether	*	5.0			52.7	50.00	0	105.3	52.97	0.57	12/14/2020
Ethyl methacrylate	*	5.0			52.9	50.00	0	105.8	53.39	0.90	12/14/2020
Ethylbenzene	*	2.0			50.0	50.00	0	100.0	51.47	2.92	12/14/2020
Hexachlorobutadiene	*	5.0			58.0	50.00	0	116.1	63.33	8.70	12/14/2020
Hexachloroethane	*	5.0			52.1	50.00	0	104.2	53.46	2.54	12/14/2020
Iodomethane	*	5.0			54.8	50.00	0	109.6	44.96	19.76	12/14/2020
Isopropylbenzene	*	2.0			51.4	50.00	0	102.7	52.66	2.50	12/14/2020
m,p-Xylenes	*	2.0			99.2	100.0	0	99.2	102.6	3.36	12/14/2020
Methacrylonitrile	*	5.0			51.4	50.00	0	102.8	52.98	3.07	12/14/2020
Methyl Methacrylate	*	5.0			51.7	50.00	0	103.4	52.44	1.40	12/14/2020
Methyl tert-butyl ether	*	2.0			50.6	50.00	0	101.1	50.73	0.36	12/14/2020
Methylacrylate	*	5.0			53.9	50.00	0	107.9	53.97	0.06	12/14/2020
Methylene chloride	*	2.0			46.4	50.00	0	92.8	47.60	2.53	12/14/2020
Naphthalene	*	5.0			56.3	50.00	0	112.6	58.01	2.96	12/14/2020
n-Butyl acetate	*	2.0			52.4	50.00	0	104.7	53.45	2.04	12/14/2020
n-Butylbenzene	*	2.0			45.4	50.00	0	90.7	49.41	8.55	12/14/2020

Quality Control Results

<http://www.teklabinc.com/>

Client: XDD, LLC

Work Order: 20120719

Client Project: Ameren Huster Road GW

Report Date: 16-Dec-20

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch	172061	SampType	LCSD	Units	µg/L	RPD Limit 15.4					Date Analyzed
Sample ID: LCSD-AE201214A-1											
Analyses	Cert	RL	Qual	Result	Spike	SPK	Ref Val	%REC	RPD	Ref Val	%RPD
n-Heptane	*	5.0	R	44.5	50.00	0	88.9	60.63	30.75	12/14/2020	
n-Hexane	*	5.0		42.3	50.00	0	84.5	51.47	19.63	12/14/2020	
Nitrobenzene	*	50.0		554	500.0	0	110.9	560.7	1.14	12/14/2020	
n-Propylbenzene	*	2.0		47.8	50.00	0	95.5	50.12	4.84	12/14/2020	
o-Xylene	*	2.0		50.1	50.00	0	100.3	50.90	1.52	12/14/2020	
Pentachloroethane	*	5.0		54.2	50.00	0	108.4	57.82	6.43	12/14/2020	
p-Isopropyltoluene	*	2.0		48.8	50.00	0	97.7	50.92	4.19	12/14/2020	
Propionitrile	*	10.0		549	500.0	0	109.7	556.2	1.37	12/14/2020	
sec-Butylbenzene	*	2.0		48.9	50.00	0	97.8	51.59	5.39	12/14/2020	
Styrene	*	2.0		51.9	50.00	0	103.9	52.90	1.85	12/14/2020	
tert-Butylbenzene	*	2.0		48.1	50.00	0	96.2	49.92	3.73	12/14/2020	
Tetrachloroethene	*	0.5		55.0	50.00	0	109.9	55.66	1.25	12/14/2020	
Tetrahydrofuran	*	5.0		49.7	50.00	0	99.4	51.24	3.05	12/14/2020	
Toluene	*	2.0		49.5	50.00	0	99.0	51.17	3.30	12/14/2020	
trans-1,2-Dichloroethene	*	2.0		49.4	50.00	0	98.9	51.15	3.40	12/14/2020	
trans-1,3-Dichloropropene	*	2.0		53.0	50.00	0	106.1	54.70	3.10	12/14/2020	
trans-1,4-Dichloro-2-butene	*	2.0		52.9	50.00	0	105.9	55.51	4.76	12/14/2020	
Trichloroethene	*	2.0		50.5	50.00	0	101.0	51.83	2.56	12/14/2020	
Trichlorofluoromethane	*	5.0		50.4	50.00	0	100.8	50.16	0.50	12/14/2020	
Vinyl acetate	*	5.0		52.6	50.00	0	105.1	54.77	4.10	12/14/2020	
Vinyl chloride	*	2.0		49.0	50.00	0	98.0	47.96	2.15	12/14/2020	
Surr: 1,2-Dichloroethane-d4	*			47.7	50.00		95.4			12/14/2020	
Surr: 4-Bromofluorobenzene	*			45.6	50.00		91.3			12/14/2020	
Surr: Dibromofluoromethane	*			49.6	50.00		99.1			12/14/2020	
Surr: Toluene-d8	*			49.9	50.00		99.8			12/14/2020	

Batch 172061 SampType: LCSG Units %REC

Batch	172061	SampType	LCSG	Units	%REC	Date Analyzed					
Sample ID: LCSG-AE201214A-1											
Analyses	Cert	RL	Qual	Result	Spike	SPK	Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Surr: 1,2-Dichloroethane-d4	*			48.3	50.00		96.6	80	120		12/14/2020
Surr: 4-Bromofluorobenzene	*			45.2	50.00		90.4	80	120		12/14/2020
Surr: Dibromofluoromethane	*			49.1	50.00		98.2	80	120		12/14/2020
Surr: Toluene-d8	*			50.8	50.00		101.7	80	120		12/14/2020



Quality Control Results

<http://www.teklabinc.com/>

Client: XDD, LLC

Work Order: 20120719

Client Project: Ameren Huster Road GW

Report Date: 16-Dec-20

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch	172061	SampType	LCSGD	Units	%REC	RPD Limit 0				Date Analyzed
SamplID: LCSGD-AE201214A-1										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Surr: 1,2-Dichloroethane-d4	*			47.7	50.00		95.4			12/14/2020
Surr: 4-Bromofluorobenzene	*			45.3	50.00		90.5			12/14/2020
Surr: Dibromofluoromethane	*			49.0	50.00		97.9			12/14/2020
Surr: Toluene-d8	*			50.8	50.00		101.5			12/14/2020

Receiving Check List

<http://www.teklabinc.com/>

Client: XDD, LLC

Work Order: 20120719

Client Project: Ameren Huster Road GW

Report Date: 16-Dec-20

Carrier: Reginald Gardner

Received By: AMD

Completed by:

On:

10-Dec-20


Amber M. Dilallo

Reviewed by:

On:

10-Dec-20


Elizabeth A. Hurley

Elizabeth A. Hurley

Pages to follow: Chain of custody

Extra pages included

	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>	Temp °C 5.8	Dry Ice <input type="checkbox"/>
Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>	Temp °C 5.8	Dry Ice <input type="checkbox"/>
Type of thermal preservation?	None <input type="checkbox"/>	Ice <input checked="" type="checkbox"/>	Blue Ice <input type="checkbox"/>		
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>			
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>			
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>			
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>			
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>			
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>			
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>			
Reported field parameters measured:	Field <input type="checkbox"/>	Lab <input type="checkbox"/>	NA <input checked="" type="checkbox"/>		
Container/Temp Blank temperature in compliance?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>			
<i>When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.</i>					
Water – at least one vial per sample has zero headspace?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	No VOA vials <input type="checkbox"/>		
Water - TOX containers have zero headspace?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	No TOX containers <input checked="" type="checkbox"/>		
Water - pH acceptable upon receipt?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	NA <input type="checkbox"/>		
NPDES/CWA TCN interferences checked/treated in the field?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>		

Any No responses must be detailed below or on the COC.

CHAIN OF CUSTODY pg. of Work order # 20120719

TEKLAB, INC. 5445 Horseshoe Lake Road - Collinsville, IL 62234 - Phone: (618) 344-1004 - Fax: (618) 344-1005

Client:	XDD, LLC	Samples on:	<input checked="" type="checkbox"/> ICE <input type="checkbox"/> BLUE ICE <input type="checkbox"/> NO ICE	5.8 °C L7Q3
Address:	11171 Forest Haven Road	Preserved in:	<input type="checkbox"/> LAB <input checked="" type="checkbox"/> FIELD	FOR LAB USE ONLY
City / State / Zip	Festus, MO 63028	Lab Notes	<i>(initials)</i>	
Contact:	Derek Ingram	Phone:	(314) 609-3065	
E-Mail:	ingram@xdd-llc.com	Fax:		
Are these samples known to be involved in litigation? If yes, a surcharge will apply <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Are these samples known to be hazardous? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Are there any required reporting limits to be met on the requested analysis? If yes, please provide limits in the comment section. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				

Project Name/Number		Sample Collector's Name						MATRIX	INDICATE ANALYSIS REQUESTED																			
Ameren Huster Road GW		<i>Reginald Gardner</i>						UNPRES	Groundwater	VOCs																		
Results Requested		Billing Instructions		# and Type of Containers							Special Waste	Sludge	Soil	Drinking Water	Aqueous													
<input checked="" type="checkbox"/> Standard	<input type="checkbox"/> 1-2 Day (100% Surcharge)			HNO3	NaOH	H ₂ SO ₄	HCl	MeOH	NaHSO ₄	OTHER																		
001	PZ-1	12/9/20 e 1140						2																				
002	PZ-2	12/9/20 e 1230						2																				
003	PZ-3	12/9/20 e 1320						2																				
004	PZ-11	12/9/20 e 1420						2																				
005	PZ-12	12/9/20 e 1510						2																				
Relinquished By		Date/Time						Received By				Date/Time																
<i>Reginald Gardner DG</i>		12/10/20 e 1315						<i>David Alba</i>				12/10/20 1315																

The individual signing this agreement on behalf of the client, acknowledges that he/she has read and understands the terms and conditions of this agreement, and that he/she has the authority to sign on behalf of the client. See www.teklabinc.com for terms and conditions.

BottleOrder: 61822

